

SAP ERP to SAP Cloud ERP Private Delta Scope

based on SAP S/4HANA Cloud Private Edition 2025 FPS0

November 2025



Purpose of this deck

SAP ERP to SAP Cloud ERP Private Delta Scope – Master Deck – internal and Customer

This deck is built for:

Target audience: SAP ERP customers who start to transform to SAP S/4HANA (Private Edition or OP) and want to understand and learn about the differences between the two products. As some innovations in this deck are available to Private Edition only, the title has changed from S/4HANA to S/4HANA Cloud Private Edition. The innovations, which are available for S/4HANA Cloud Private Edition only are marked with an icon “Cloud only”.

Target presenters: Internal and partner client engagement roles

Main purpose: This presentation shows the main innovations of SAP Cloud ERP Private compared to SAP ERP. It is structured for each LoB along the main differentiators **HANA and Real-Time Analytics, Fiori, Intelligence, New and updated business processes, Integration.**

The content is based up to SAP S/4HANA Cloud Private Edition 2025 FPS0 and can be used as pick and choose deck for customer presentations or entirely if innovations across all LoBs are of interest. It does not include standalone features in industry portfolio, SAP LoB solutions and SAP S/4HANA Cloud Public Edition.

[Feedback](#)

[Latest Version](#)

Update of this deck

The first version of this deck was based on SAP S/4HANA Cloud Private Edition 2023 FPS0

This new version is based on SAP S/4HANA Cloud Private Edition 2025 FPS0

The changes are visible on the slides:

New slides



Updated slides



SAP Cloud ERP Private only capabilities



Agenda

- 01**
Vision and Strategy
- 02**
Differentiators
- 03**
Compatibility Scope
- 04**
Finance
- 05**
Sourcing and Procurement
- 06**
R&D
- 07**
Supply Chain
- 08**
Asset Management
- 09**
Manufacturing
- 10**
Service
- 11**
Sales
- 12**
People
- 13**
Cross

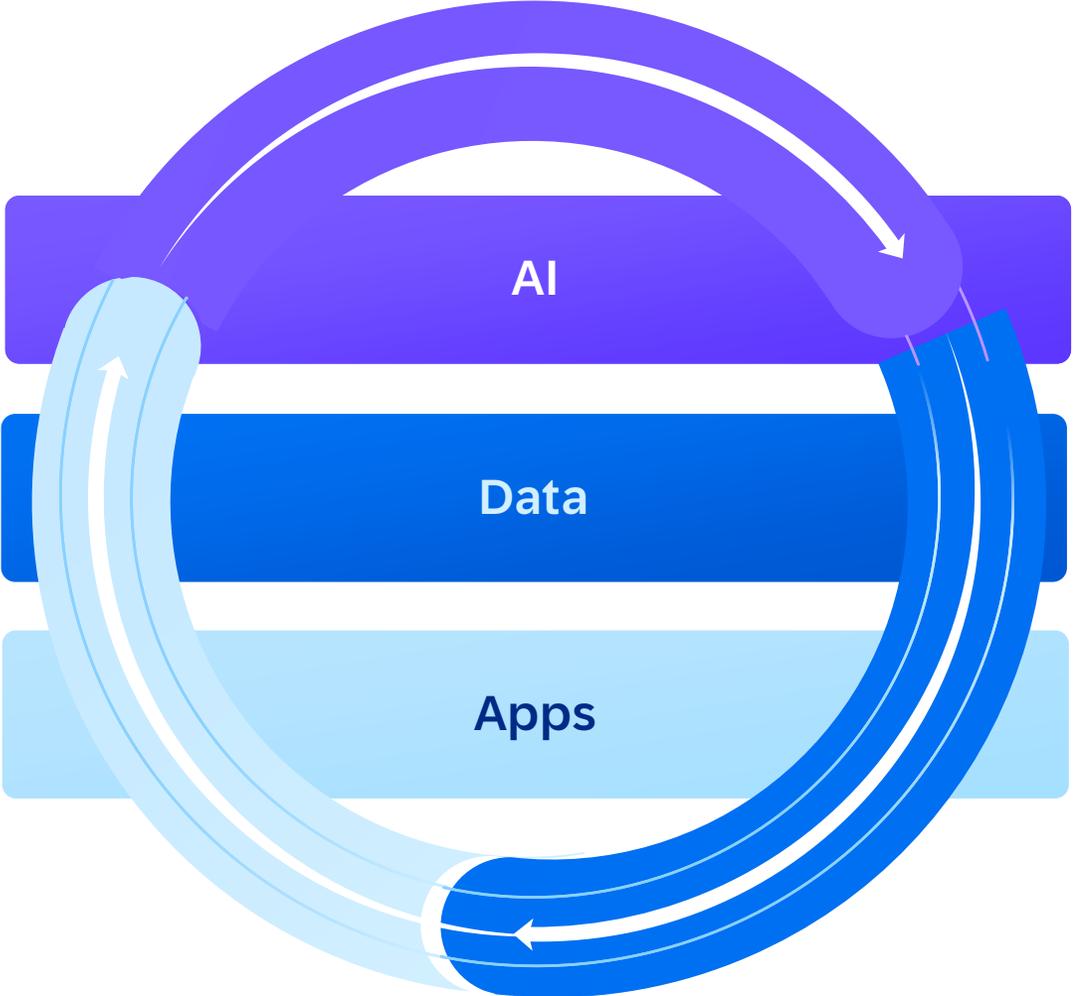
Vision and Strategy

SAP Business Suite



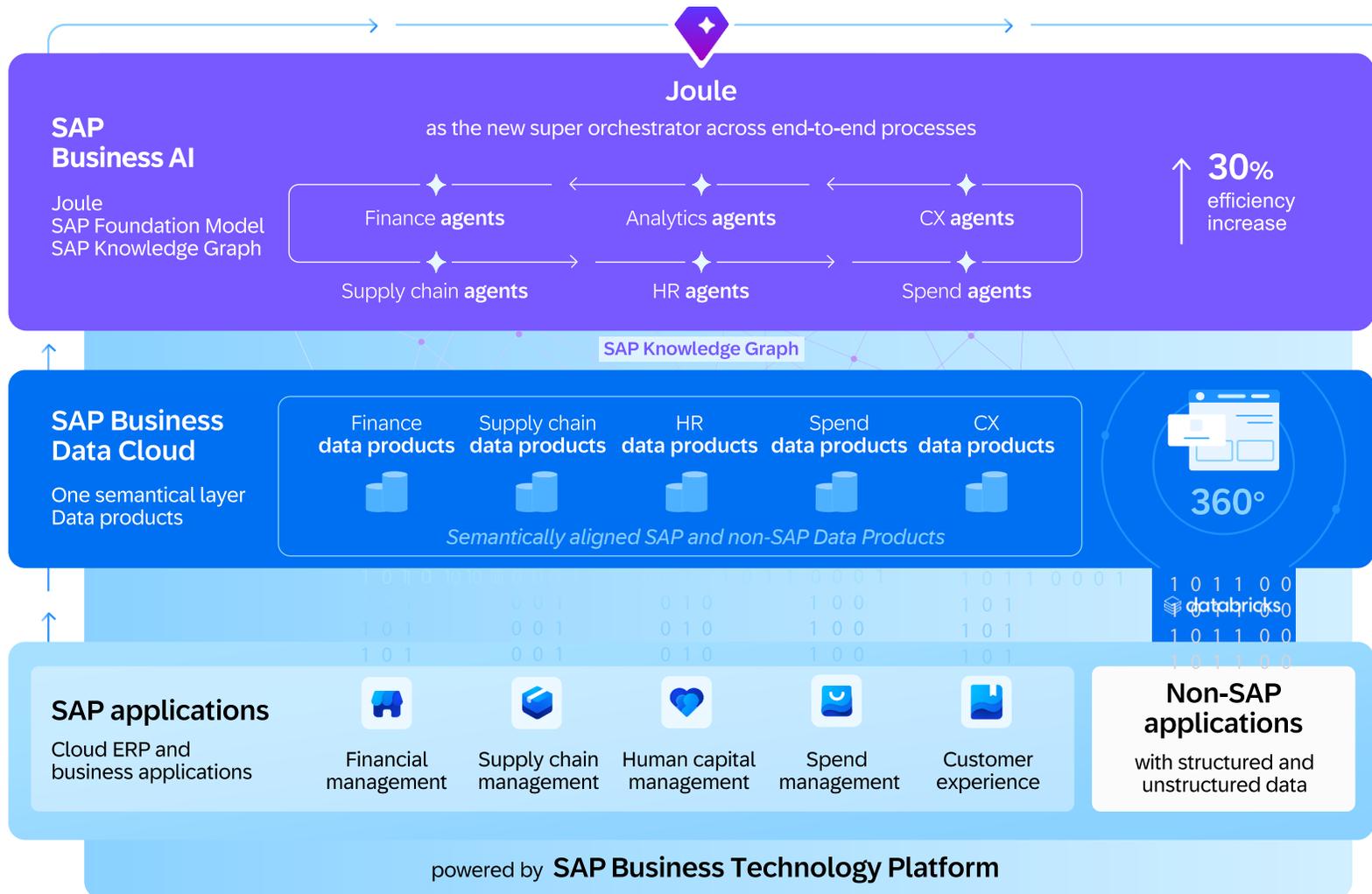
Realizing our vision by bringing together Apps, Data and AI

Differentiate your business with access to continuous innovations



A new era of enterprise management

SAP is uniquely positioned to lead companies in this new era of enterprise management



Unrivaled AI

With **SAP Business AI** collaborative agents are deployed and orchestrated to enhance operations, drive real-time insights, and optimize decision-making at scale—unlocking capabilities others can't match

Unmatched Data

With **SAP Business Data Cloud**, the most valuable business data from every part of the business turns into a semantically-rich data treasure that fuels unrivaled AI-powered value

Unparalleled Applications

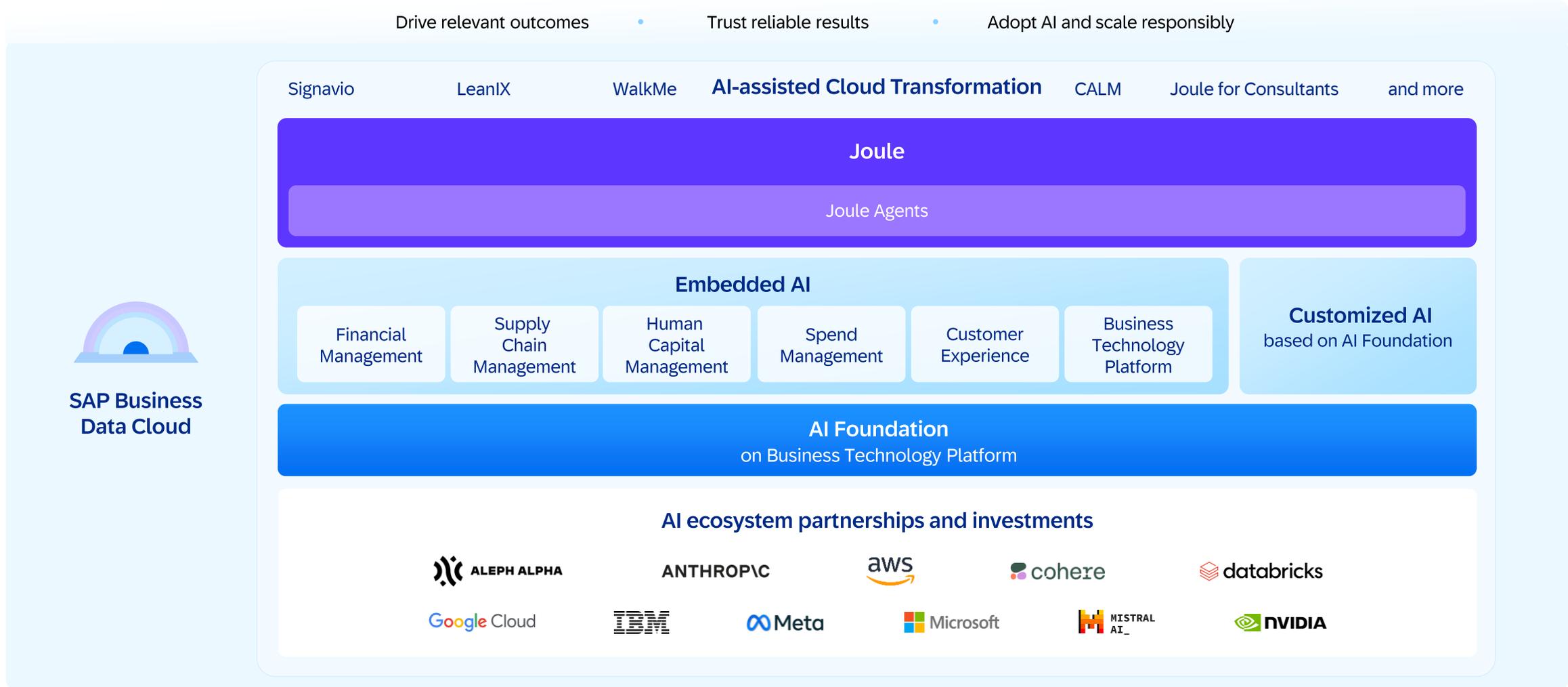
With **SAP's applications** and our **SAP Business Technology platform**, every part of the business is deeply connected, delivering end-to-end transformational value to business processes

Unrivaled AI



Deploying collaborative AI agents to optimize operations and enable smarter decision-making across the business

Drive relevant outcomes • Trust reliable results • Adopt AI and scale responsibly



Unrivaled AI

With **SAP Business AI** enhances operations, drives real-time insights, and optimizes decision-making at scale—unlocking capabilities others can't match

AI

Introduce AI as the new UI

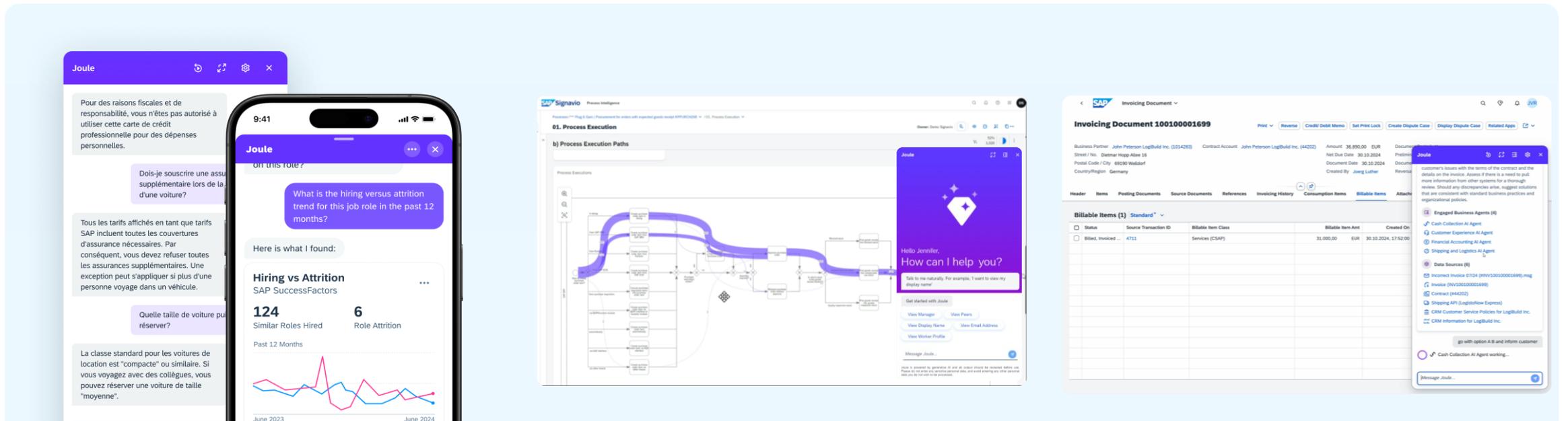
Rethink user experience with intuitive and persona-based AI that guides you in every interaction while delivering unmatched outcomes, at scale.

Accelerate Cloud Transformation

Supercharge your SAP journey with AI-powered tools that accelerate your move to the cloud, fast and efficiently.

Innovate with Impact

Amplify your potential and innovate like never before with advanced AI agents collaborating across the entire enterprise and generative AI that understands the context of your business.



Unrivaled AI

Unlock additional value: Collaborative AI multi-agent orchestration layer

AI



Joule Agents



Specialized multi-agents

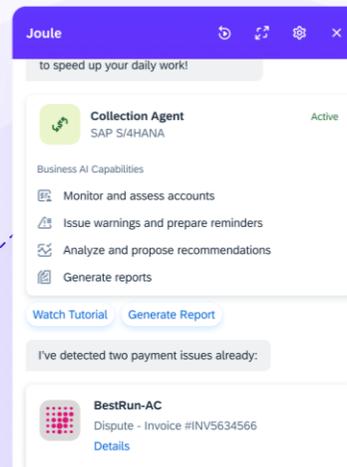
collaborate on role-based scenarios like dispute management, planning, accounting etc.

Unique assets

access knowledge graph and SAP's foundation mode for increased reasoning and problem solving

Extensibility

via SAP Build, Business Agent Foundation and Joule Scenario Builder



Unmatched Data



With SAP Business Data Cloud, your most valuable business data from every part of your business turns into a semantically-rich data treasure that fuels unrivalled AI-powered value for your business

Unleash transformative insights

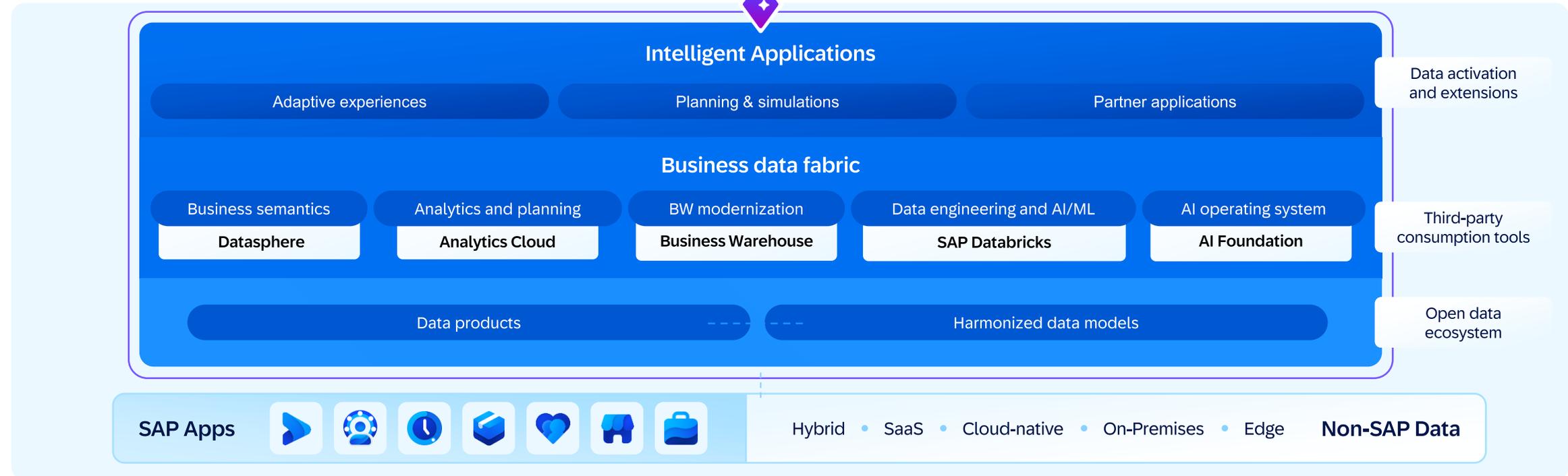
Make faster, smarter decisions with business-ready data and context grounded in industry-standard best practices

Connect all your data

Harmonize all mission-critical data with an open data landscape and give a complete, actionable view of the organization

Foster reliable AI

Ensure data across applications and operations have a foundation for generative AI that is reliable, responsible, and relevant



Unparalleled Applications



SAP's applications and Business Technology Platform deliver comprehensive, connected and tailored solutions to meet your unique needs

Comprehensive

Power end-to-end business processes with the most comprehensive, integrated portfolio of applications

Extensible and integrated

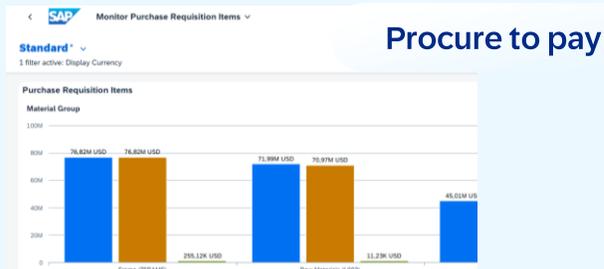
Easily connect and extend applications with generative AI powered development, automation, and integration solutions

Industry-specific

Tailored solutions for all industries, built to meet unique business needs

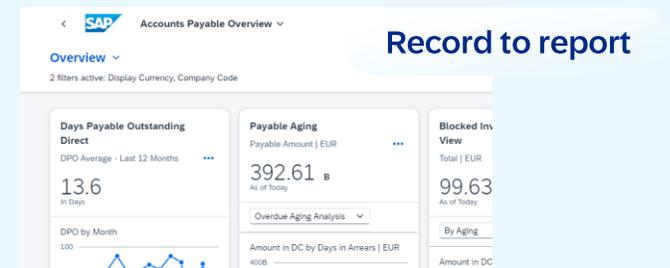
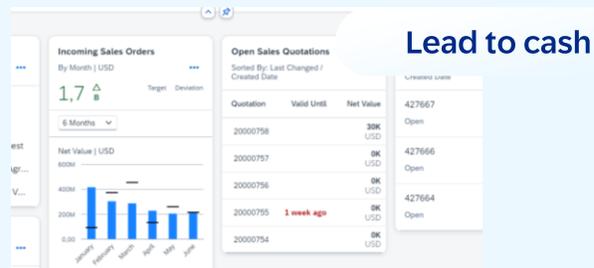
One suite

of applications with seamlessly integrated business processes



Hire to retire

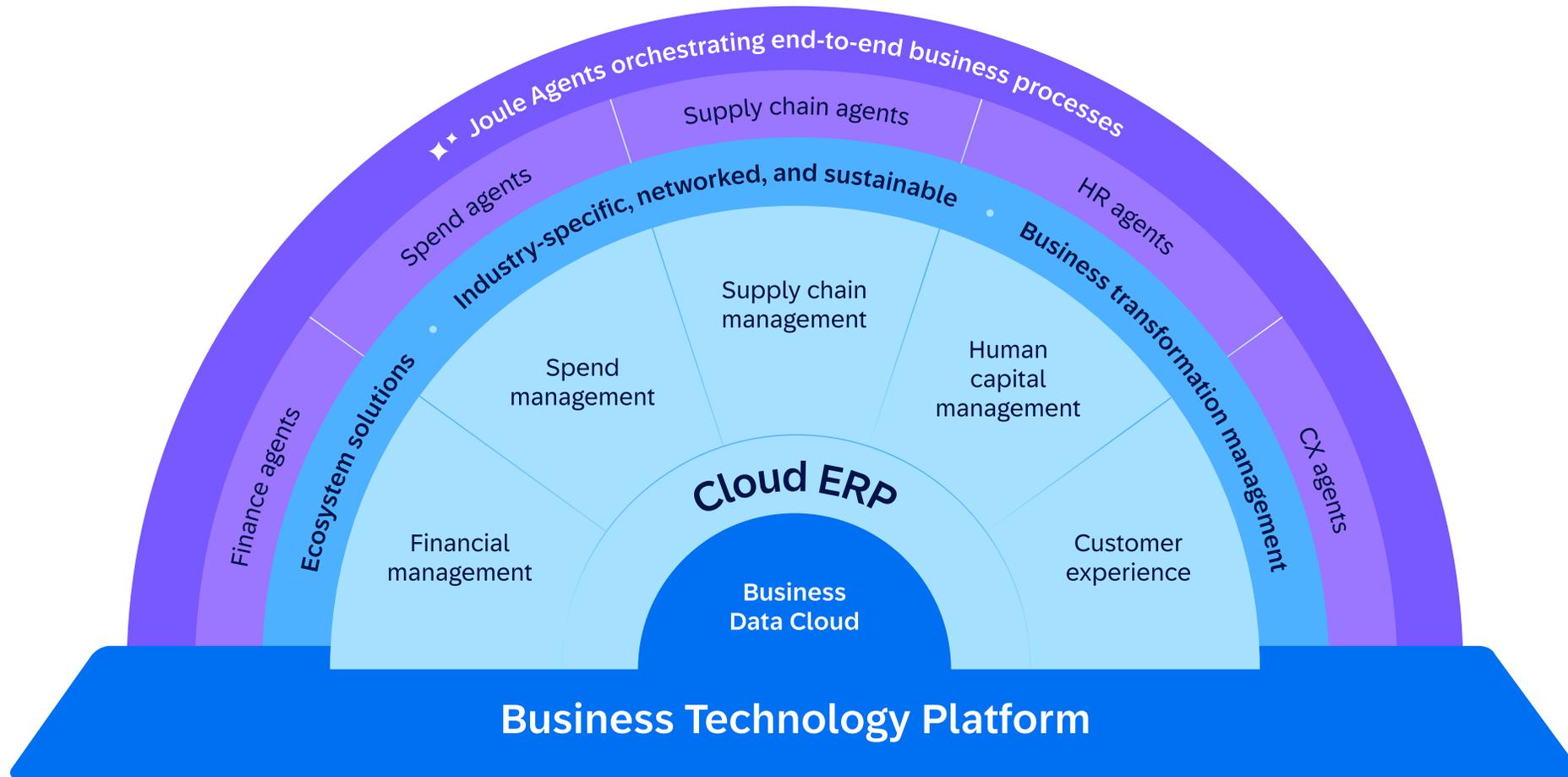
Name	Total Match	Availability Match
Justin Holt	100.00%	100.00%
Grace Morrison	11.56%	33.33%
Michael Klein	100.00%	100.00%
Jada Baker	100.00%	100.00%
Carl Dixon	100.00%	100.00%



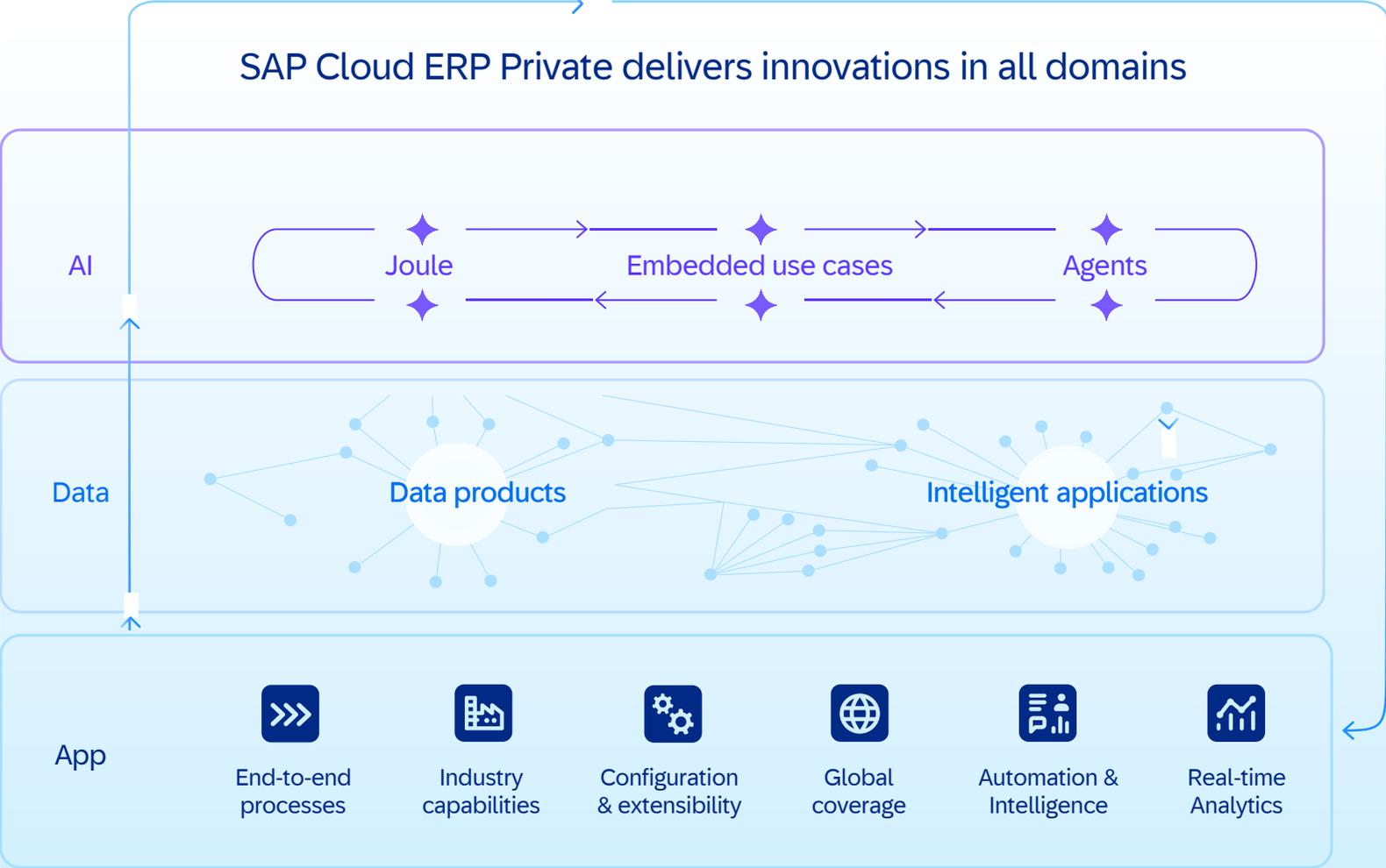
Business Technology Platform

SAP Business Suite

The future of enterprise management



Innovate, adapt, and thrive at scale with SAP Cloud ERP Private – the modular, configurable modern ERP



Drive productivity with **Joule** and create impact with **AI and agents** grounded in your business data and embedded into every business function

Bring together operational and financial data to deliver **insights and applications** fueling intelligence for every team across the enterprise

Run with confidence your mission critical **business processes across industries** with innovative, intelligent and integrated modern ERP

SAP Cloud ERP Private

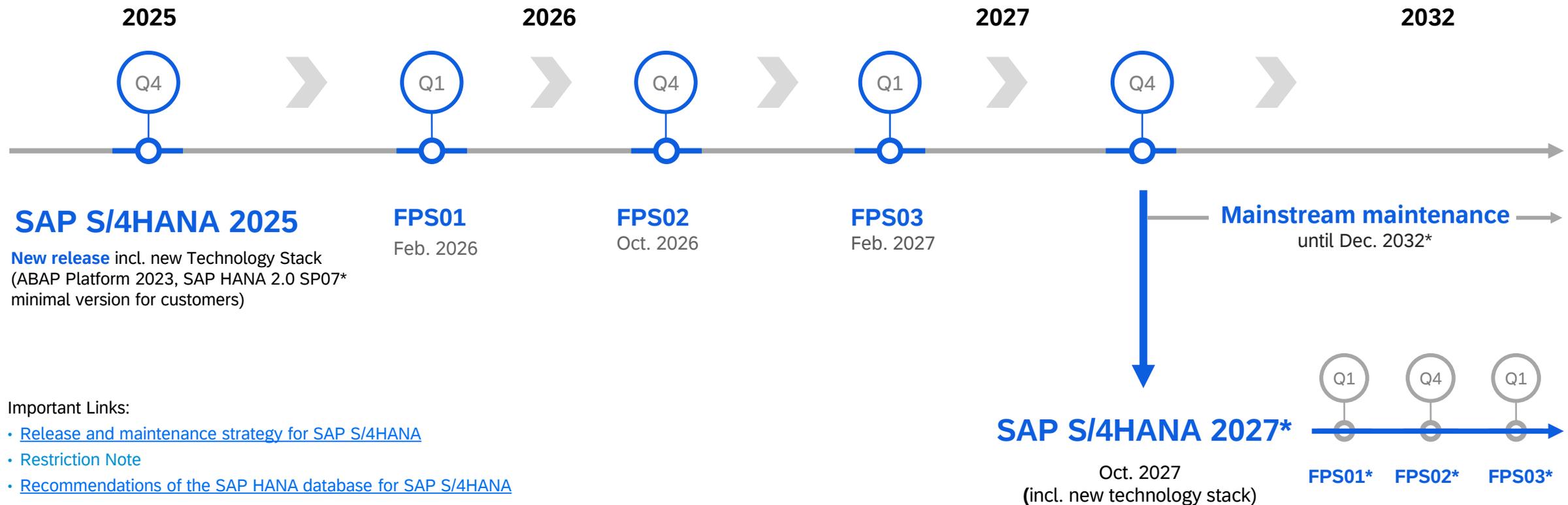
	Sourcing & Procurement 	Supply Chain 	Manufacturing 	Sales 	Service 
Modular Cloud LoB Solutions 	<ul style="list-style-type: none"> Guided buying Supplier management Business network 	<ul style="list-style-type: none"> Integrated business planning Global batch traceability Logistics business network Transportation management Extended warehouse management 	<ul style="list-style-type: none"> Digital manufacturing 	<ul style="list-style-type: none"> E-Commerce Sales automation Customer data Marketing Customer service 	<ul style="list-style-type: none"> Service cloud Field service management Customer relationship management
SAP S/4HANA LoB Solutions 	<ul style="list-style-type: none"> Central procurement Sourcing and contract (extended) 	<ul style="list-style-type: none"> Advanced warehousing Advanced transportation Advanced order promising Service parts distribution 	<ul style="list-style-type: none"> Ext. Production planning & scheduling Ext. prod. engineering & operations Environment, health, and safety 		
SAP S/4HANA Cloud Private Edition Enterprise Management	<ul style="list-style-type: none"> Operational procurement Sourcing and contract Supplier management Procurement analytics Invoice management 	<ul style="list-style-type: none"> Inventory Warehousing Delivery and transportation Order promising Logistics cross topics Circular economy logistics 	<ul style="list-style-type: none"> Production engineering Production planning Production operations/options Quality management Manufacturing insights 	<ul style="list-style-type: none"> Order and contract management Sales force support Solution Business Management 	<ul style="list-style-type: none"> Service master data and agreement Service operations and processes Service parts management
	<ul style="list-style-type: none"> Accounting and financial close Financial operations Cost mgmt. and profitability analysis Enterprise risk and compliance 	<ul style="list-style-type: none"> Enterprise portfolio and project management 	<ul style="list-style-type: none"> Maintenance management 	<ul style="list-style-type: none"> Time sheet management Organizational structure management Travel management 	<ul style="list-style-type: none"> Application lifecycle management Intelligent business processes Business technology platform Extensibility framework Sustainability solutions Industry specifics
SAP S/4HANA LoB Solutions 	<ul style="list-style-type: none"> Adv. accounting, financial close Adv. financial operations Treasury management Commodity management Real estate management Subscription billing and revenue mgmt. 	<ul style="list-style-type: none"> Extended enterprise portfolio and project management Product lifecycle management Product compliance 	<ul style="list-style-type: none"> Resource scheduling Spatial asset management (linear asset management) 	<ul style="list-style-type: none"> HR administration Time management Payroll, reimbursement and rewarding Talent mgmt. and learning management HR strategy and planning 	
Modular Cloud LoB Solutions 	<ul style="list-style-type: none"> Governance, risk, and compliance Multi-Bank connectivity Cash application Analytics cloud for planning 	<ul style="list-style-type: none"> Enterprise product development Collaborative project management 	<ul style="list-style-type: none"> Asset performance management Mobile asset management Spatial asset mgmt. (geo framework) Asset collaboration 	<ul style="list-style-type: none"> Core human resources and payroll Time and attendance management Talent management Human capital analytics 	
	Finance 	Research & Development 	Asset Management 	Human Resources 	Cross Functional 



SAP Cloud ERP Private Release Strategy

Executive Summary

- [1] **SAP S/4HANA 2025** released for SAP S/4HANA Cloud Private Edition and SAP S/4HANA OP with RTC on October 8th, 2025
- [2] 2 years **innovation** phase delivered via **3 Feature Package Stacks** (FPS) followed by
- [3] 5 years standard **maintenance** phase (until Dec, 2032 for SAP S/4HANA 2025)
- [4] **SAP S/4HANA 2027** planned for Oct. 2027
- [5] SAP will continue to support SAP S/4HANA until **2040**



Important Links:

- [Release and maintenance strategy for SAP S/4HANA](#)
- [Restriction Note](#)
- [Recommendations of the SAP HANA database for SAP S/4HANA](#)

SAP Cloud ERP Private: Customer References



100% of purchases & payments moved from informal systems.

100% of vehicles managed throughout their lifecycle

4x faster quarter-end close.

[More info](#)



15% Increase in efficiency of reconciliation

15% Improvement in efficiency of warehouse management

50% Reduction in the time required for monthly closing

[Modern Farming: Creating Precision Livestock Farming with a 360-Degree View of Each Cow's Data \(sap.com\)](#)



10% Increase in production efficiency, catering to customer needs

25% Improved accounting and material management controls

15% Improvement in product quality through parameters defined in processes



20% faster execution of back-order processing.

20000 tree-equivalent savings in carbon emissions

23% increase in developer efficiency

[Watch the video](#)



>95% improvement of metrics delivery to teams, from three days to on demand

320 team members collaborating on enterprise plans

1 source of truth across 200 profit centers



160% reduction in data compression costs.

180% increase in data load speed.

[More info](#)



15% Reduction in total cost of ownership

16% IT operating expense savings

100% Availability of applications and services

[More info](#)



3,500 processes redesigned

55 country operations transformed

18 months to complete the project



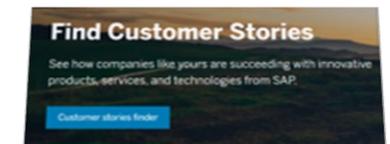
275,000 Employees worldwide have a single point-of-entry to all SAP applications

99.97% Increased system availability with a simplified global IT infrastructure

1,200+ Terabytes of data moved to the cloud



[RISE at SAP Value Stories\(flippingbook.com\)](#)



[SAP Customer Reviews & Stories](#)

Differentiators



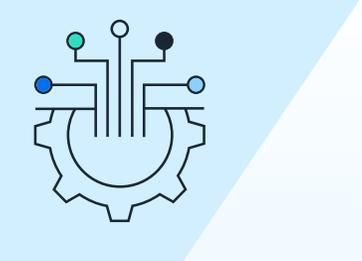
SAP Cloud ERP Private differentiators



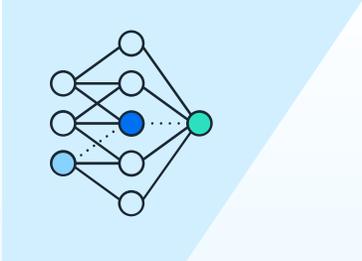
Real-time insights with SAP HANA, embedded analytics, data products and intelligent applications



Cohesive User Experience with Joule and SAP Fiori



Improve efficiency with Business AI and intelligent technologies



Transform your business with new processes and functionalities



Excellence in cloud operations with all-in-one cloud ERP management

Access to packaged applications

SAP Cloud ERP Private differentiators



Real-time insights
with SAP HANA,
embedded
analytics, data
products and
intelligent
applications



Cohesive User
Experience with
Joule and SAP
Fiori



Improve efficiency
with Business AI
and intelligent
technologies



Transform your
business with new
processes and
functionalities



Excellence in
cloud operations
with all-in-one
cloud ERP
management

Access to
packaged
applications

SAP Cloud ERP Private differentiators

SAP HANA and Embedded Analytics

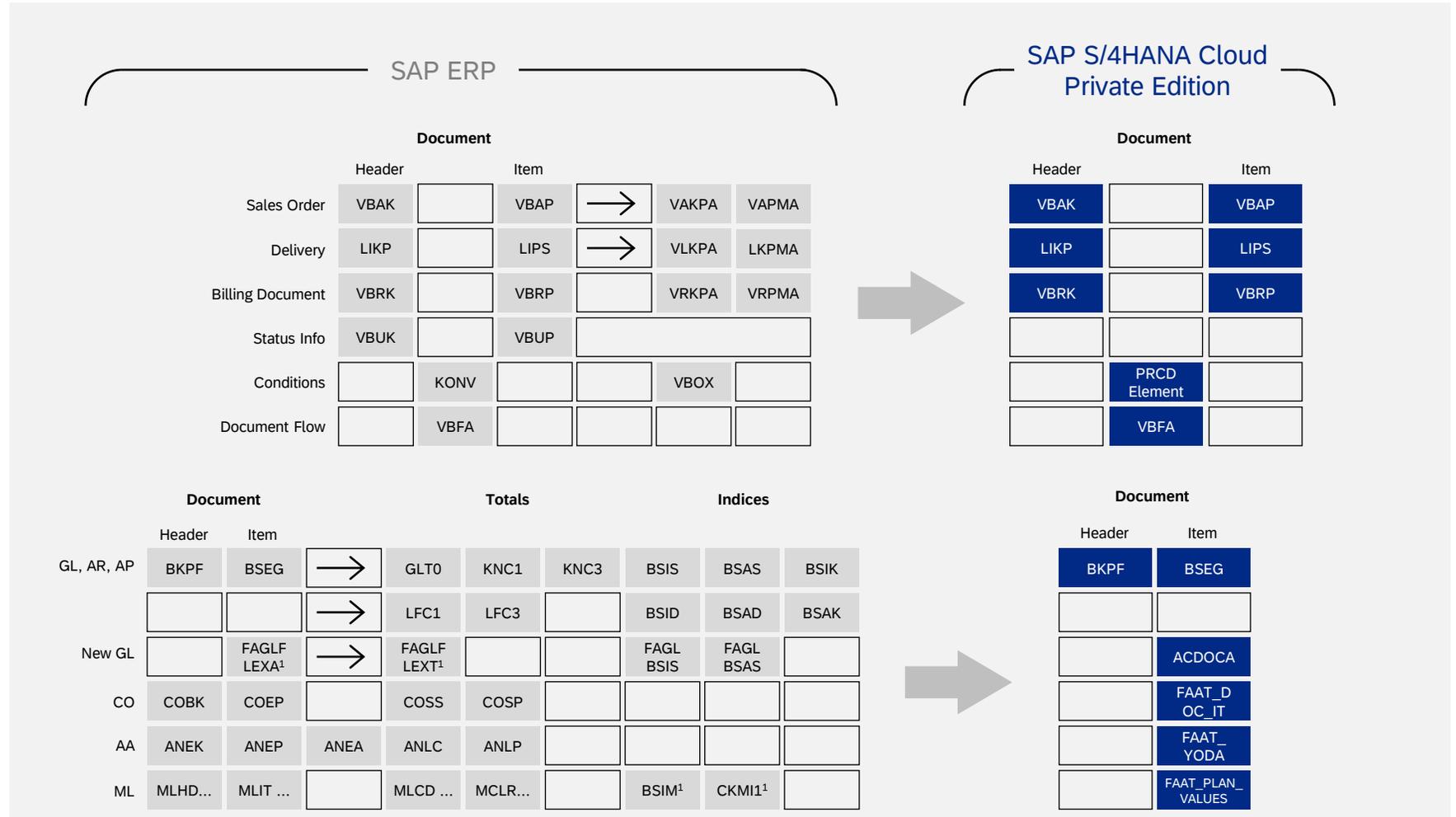
SAP HANA

Simplification of the data model: Examples for Sales and Finance



This simplified data model delivers immediate benefits:

- Faster access to high granular, transactional data which is now stored in memory (e.g., daily stock values, values by filter such as product)
- Data model integration (e.g., universal journal for FI/CO including 2nd cost element or MATDOCA, including all levels of stock quantity)
- Optimized to support real-time ad-hoc analytics, because aggregation is done on the fly
- Faster processing of updates because there's no requirement to update multiple index tables



SAP HANA

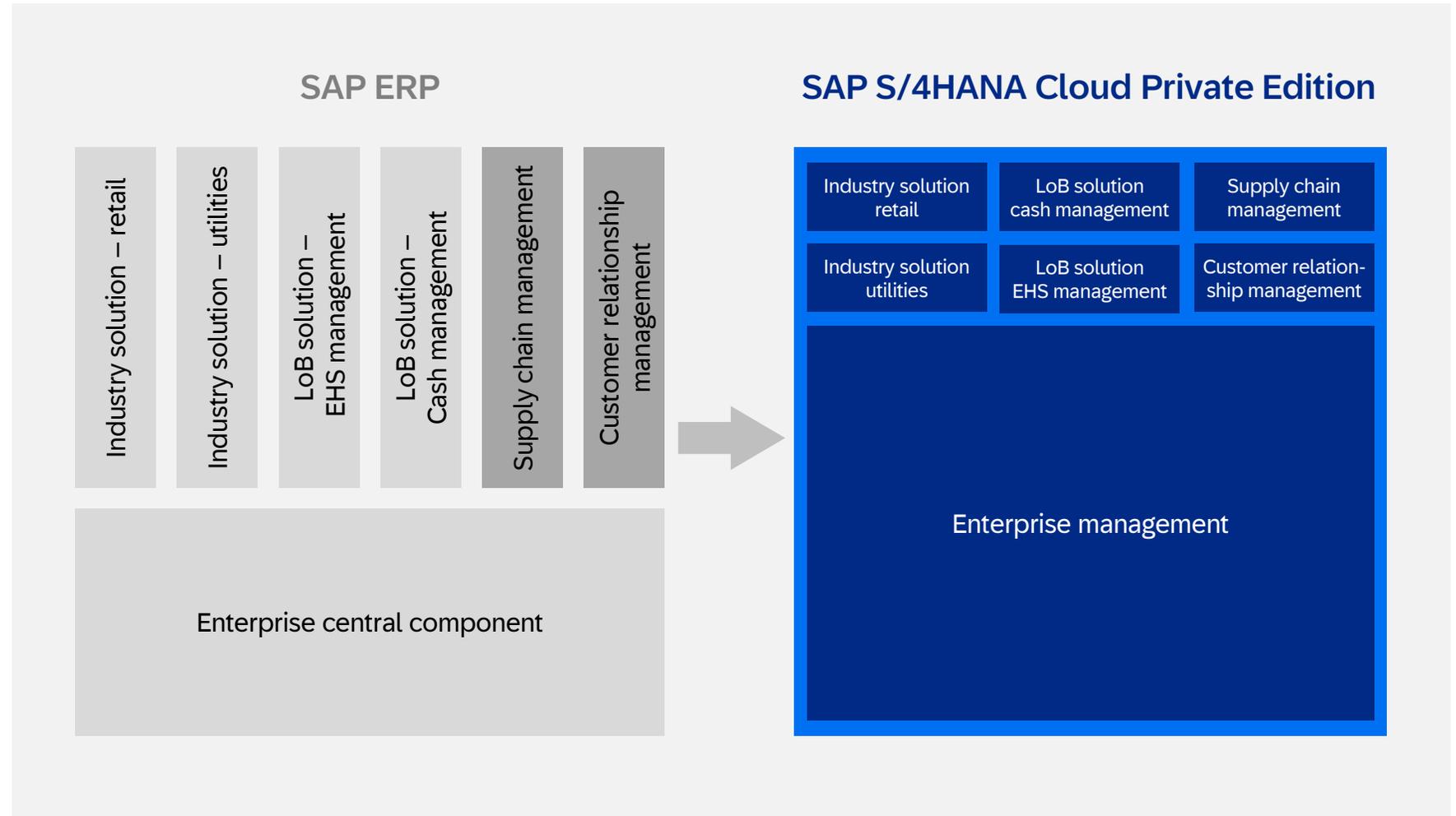
Simplification via “Industry to Core”



SAP S/4HANA Cloud Private Edition is delivered as a consolidated software stack – not a collection of separate software packs (technical products).

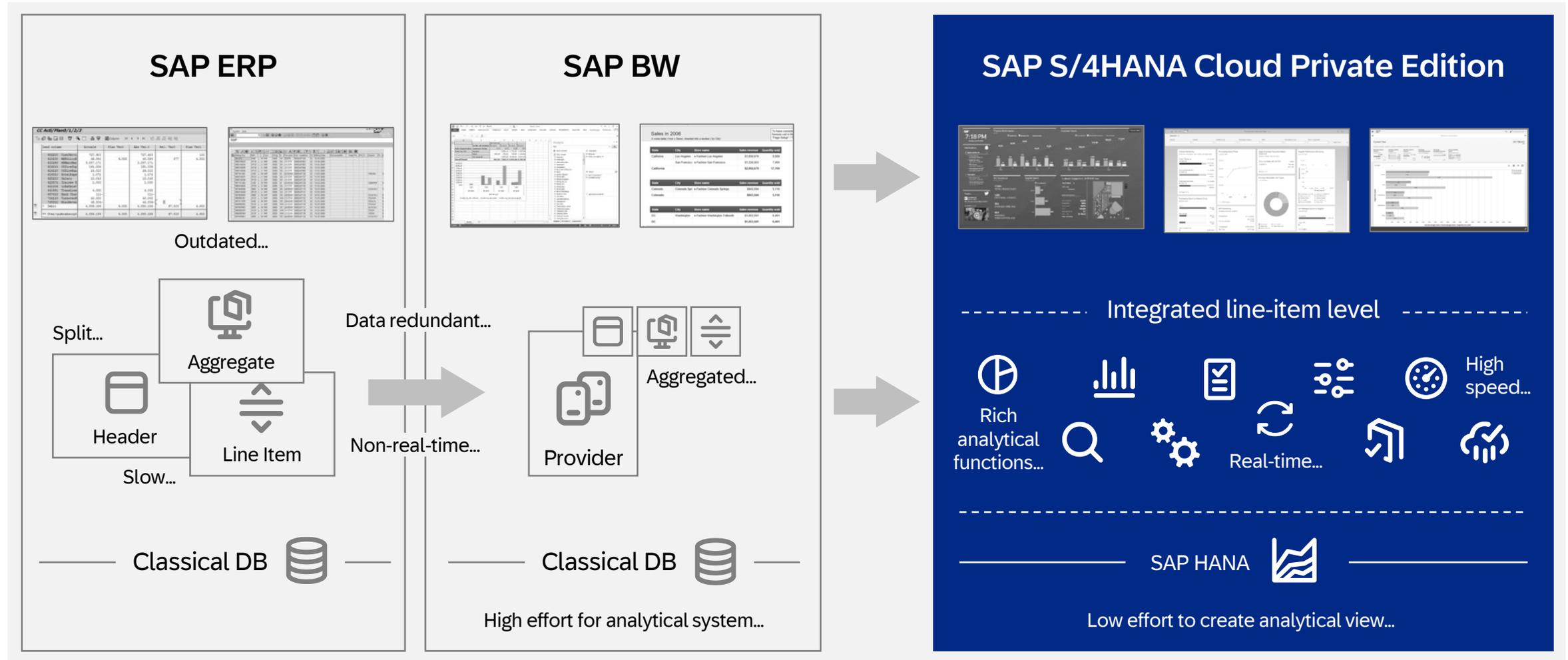
Benefits:

- Harmonized stack allows to run a single instance across industries
- Lower upgrade complexity, faster release upgrades
- Better system performance
- Fewer interfaces



SAP HANA

How analytical constraints are resolved with SAP S/4HANA



Embedded analytics

Analytical and transactional data in one system



SAP Fiori Launchpad

Manage Purchase Orders Centrally

Standard

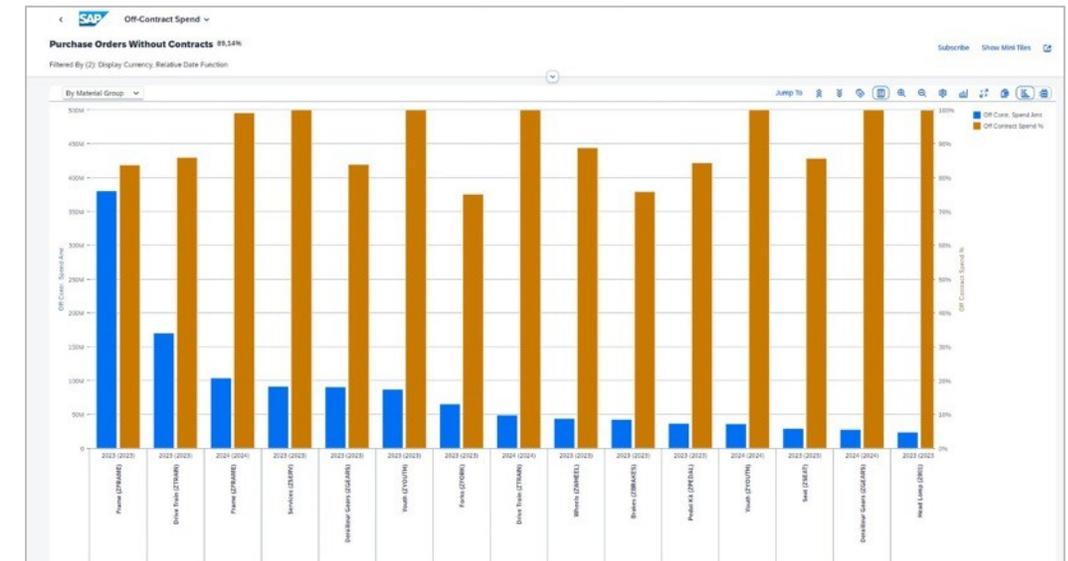
Search: _____ Plant: _____ Company Code: _____ Supplier: _____ Purchasing Group: _____ Purchasing Organization: _____ Purchasing Document Type: _____ Purchase Order Status: _____ Material: _____

Payment Terms: _____ Incoterms: _____ Contracted System ID: _____ Responsibility Management: _____

Adapt Filters

Purchase Orders (2,713) Standard

Purchase Order	Purchasing Group	Com. Pst. Org. Name	Supplier	Company Code	Purchasing Organization	Purchasing Document Status	Net Value
Standard PO 4500465539	Grp 001-Pst Req'd (001)	BESTRUN US	HighTec Assembling Corp. (17300001)	BestRun US (1710)	BESTRUN US (1710)	Not Yet Sent	94,000.00 USD
Standard PO 4500465569	Pst Grp CP11 (CP1)	BESTRUN US	HighTec Assembling Corp. (17300001)	BestRun US (1710)	BESTRUN US (1710)	Not Yet Sent	150,500.00 USD
Standard PO 4500466032	Office Suppl-Arba (245)	BESTRUN US	1000032	BestRun US (1710)	BESTRUN US (1710)	Draft	0.00 USD
Standard PO 4500467053	Group 002 (002)	BESTRUN US	StarTech Corporation (US509020)	BestRun US (1710)	BESTRUN US (1710)	Not Yet Sent	800.00 USD
Standard PO 4500467899	Hardware - Arba (243)	BESTRUN US	HighTec Assembling Corp. (17300001)	BestRun US (1710)	BESTRUN US (1710)	Not Yet Sent	100.00 USD
Standard PO 4500468270	Grp 001-Pst Req'd (001)	BESTRUN US	HighTec Assembling Corp. (17300001)	BestRun US (1710)	BESTRUN US (1710)	Not Yet Sent	700.00 USD
Standard PO 4500468526	Group 002 (002)	BESTRUN US	StarTech Corporation (US509020)	BestRun US (1710)	BESTRUN US (1710)	Not Yet Sent	400.00 USD



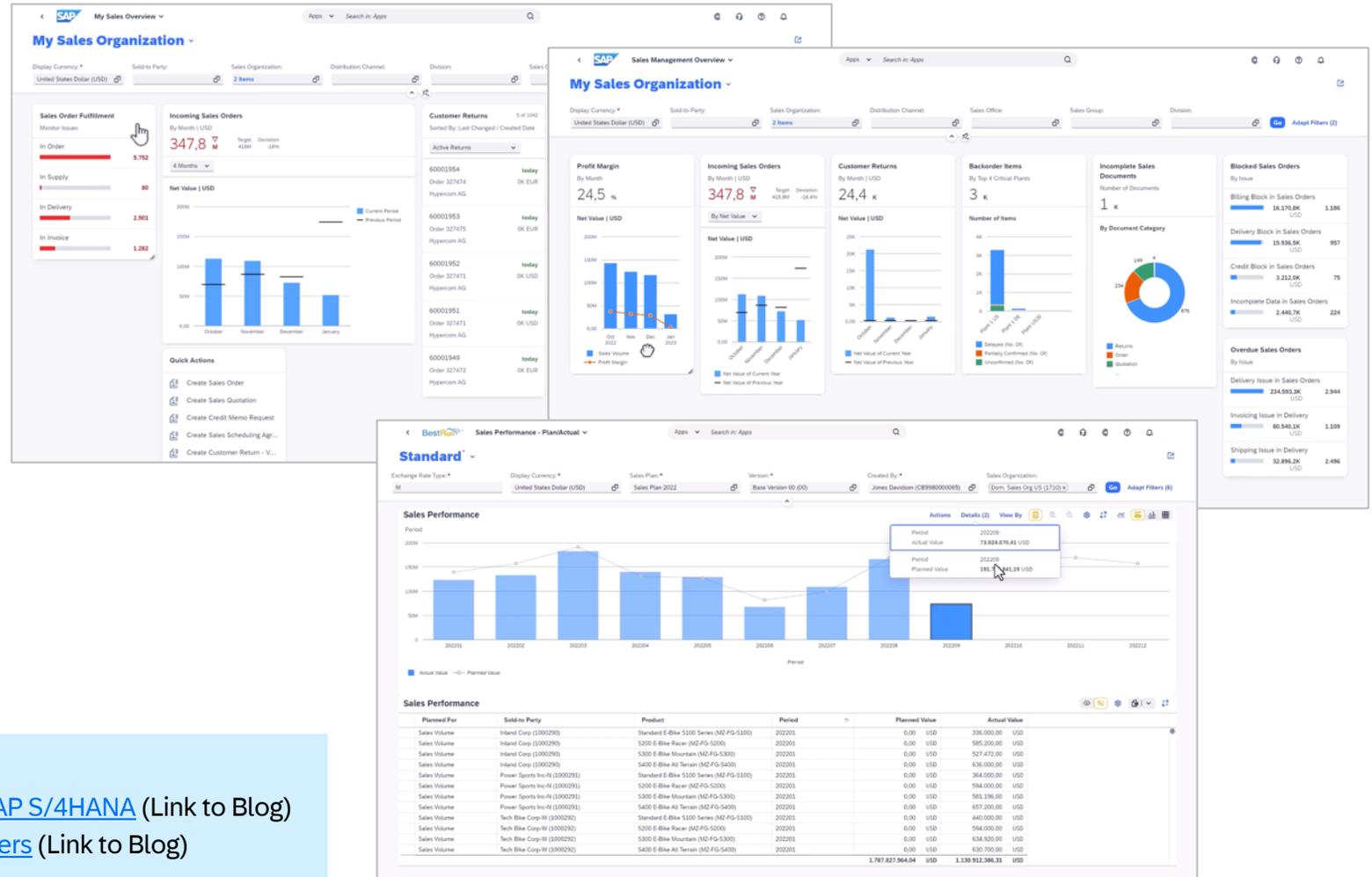
Embedded analytics

Analytical and transactional data in one system



Take advantage of **transactional and analytical data in one system** with:

- configurable KPIs
- role-based “overview pages” and cockpits
- insight to action capability: analyze and resolve
- historical data for simulations and predictions
- flexible drill down for maximum transparency
- availability on mobile devices



[Analytics in S/4HANA](#) (Link to Blog)

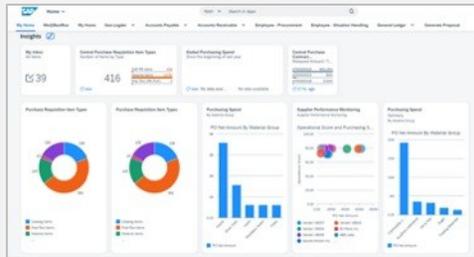
[Analytics on Universal Journal, the heart of SAP S/4HANA](#) (Link to Blog)

[Videos of S/4HANA Analytics for Business Users](#) (Link to Blog)

Embedded analytics for the business user



Smart business KPIs and cards



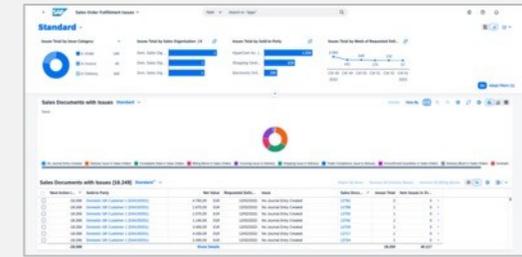
- KPI monitoring on the SAP Fiori Launchpad
- Display cards from one of your overview pages
- Customizable for user-specific needs

Overview pages



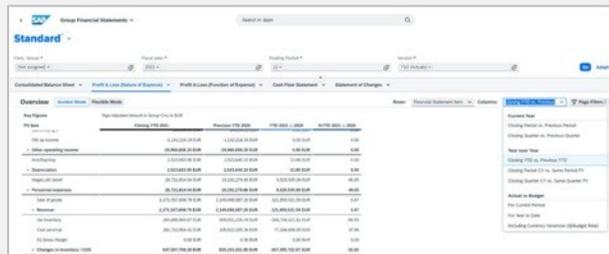
- Consolidated view on a certain domain, e.g., Sales
- Information presented in analytical tables and charts
- Take action in the same place or navigate to other apps
- Save personal variants

Analytical list page



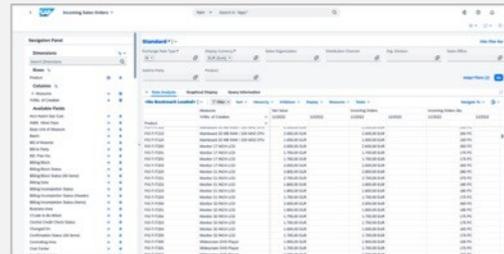
- Generic approach to mix analytical and transactional activities
- Display table or chart or a combination
- Take action directly in the same app or navigate to other apps
- Save personal variants

Review booklets



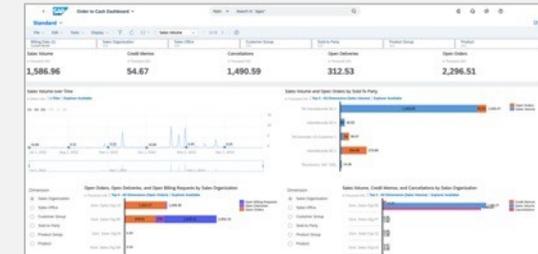
- Prepared layouts for specific business questions
- Guided and flexible analysis mode, contextual actions
- Save personalized views
- [Group Financial Statement Review Booklet](#)

Multi-dimensional reports



- Analyze and visualize data from multiple dimensions
- Display pivot-table or chart or a combination
- Save personal variants

Stories

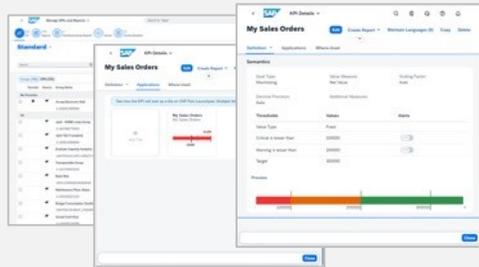


- Pre-defined dashboards based on SAP Analytics Cloud
- Can be consumed directly SAP S/4HANA Cloud Fiori Launchpad
- Can be copied as a template and adapted further

Embedded analytics for the analytical specialist



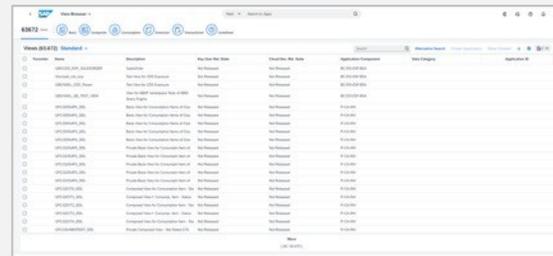
Manage KPIs and reports



SAP Smart Business KPI and report modeler enables your company to define, manage, and leverage consistent KPIs, reports and dashboards across all your business functions.

F2814

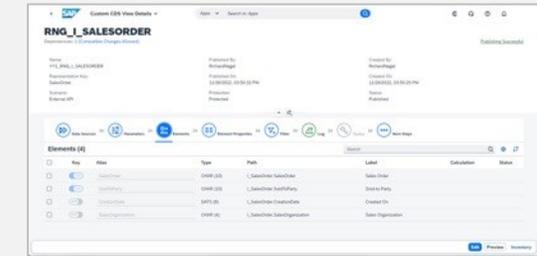
Views browser



Search, browse, and tag analytical and non-analytical queries. This application displays all the views that are created and released by SAP, as well as the customer-created SAP views.

F2170

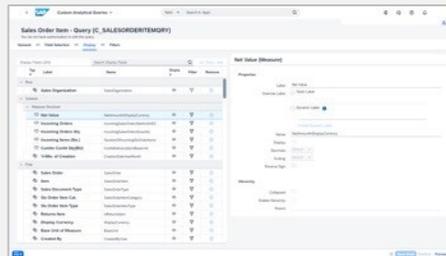
Custom CDS view



If you need access to data in your system in a way the system does not offer so far, you can create your own data access by making use of a custom core data services view.

F1866A

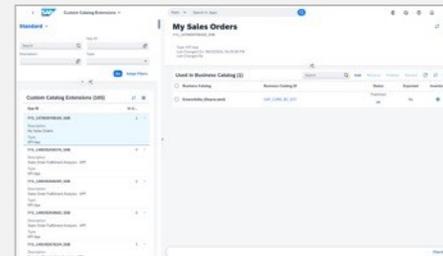
Custom analytical queries



Custom analytical queries transforms and organizes raw data delivered from business documents into a meaningful multi-dimensional report.

F1572

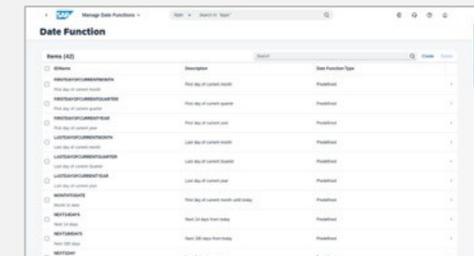
Custom catalog extensions



With this app you assign your apps, such as new multidimensional reports or KPIs to the required business catalogs and thus to the user roles.

F1950

Manage date functions



You use this app to view predefined and create user-defined date functions for dynamic filtering of data in analytical apps, primarily the smart business framework based KPIs.

F2595A



SAP Cloud ERP Private differentiators

Data Products and Intelligent Applications



Data products



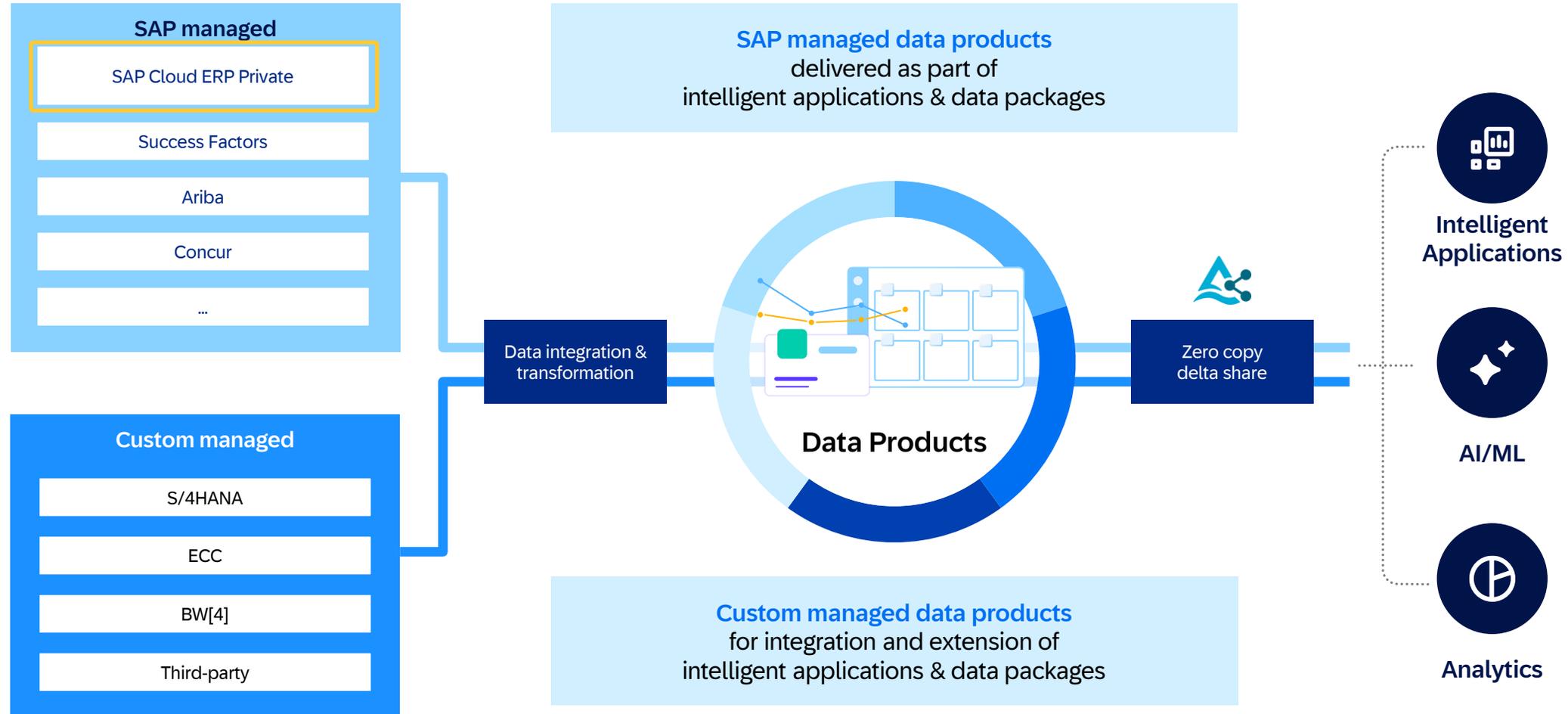
Data products

Access all your SAP data across your most important business processes with curated data products that eliminate the high costs of data extraction and replication



Data products

SAP managed data products for SAP Cloud ERP Private



[Available SAP Managed Data Products](#)





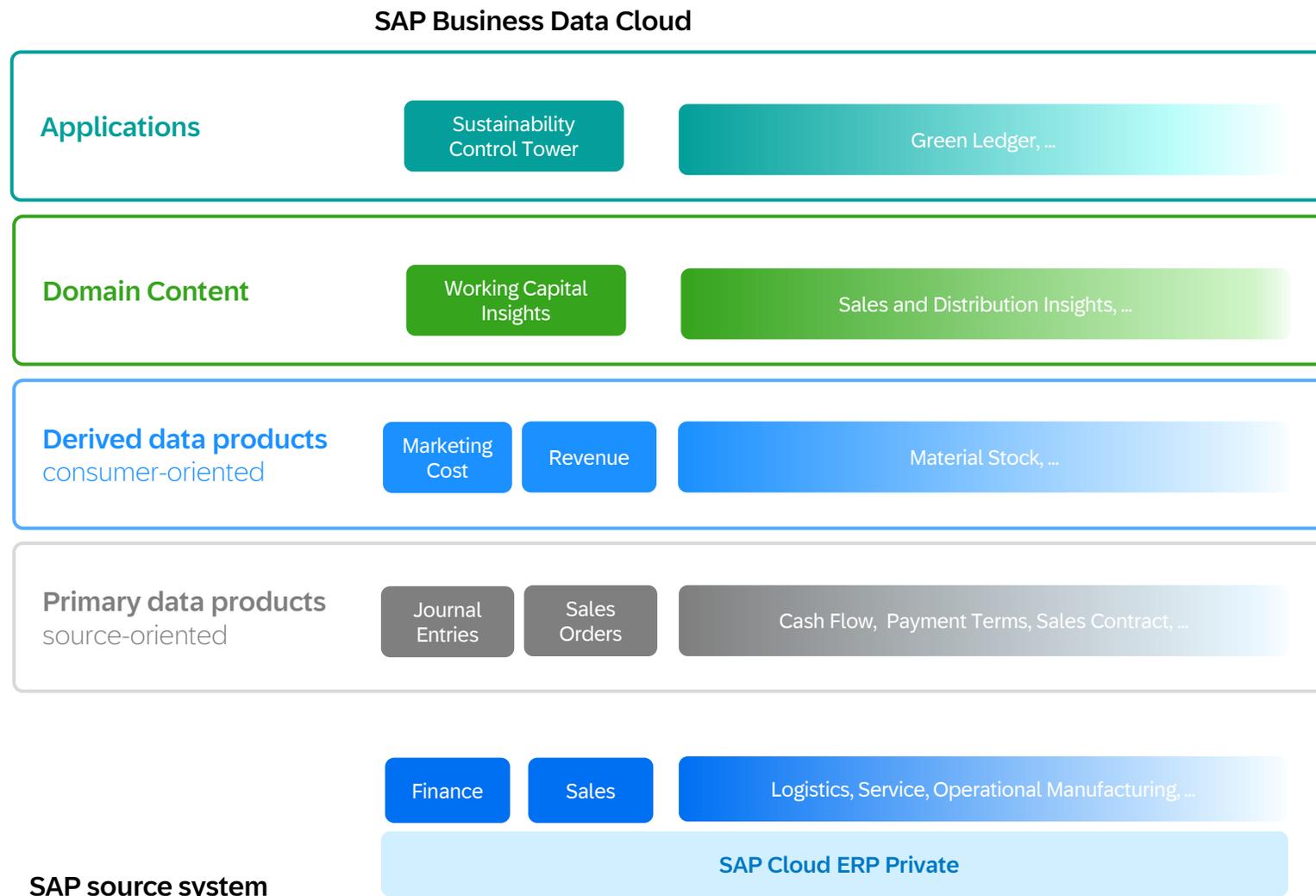
Data products

SAP managed data products for SAP Cloud ERP Private

Out-of-the-box **SAP managed data products** are delivered as part of intelligent applications & data packages

Derived data products like Marketing Cost are curated by SAP and derived from other data set(s). They deliver value-add and are based on other data products or APIs.

A **primary data product** is directly provided from applications and is not based on other data products representing the original data from a source application.





Intelligent Applications

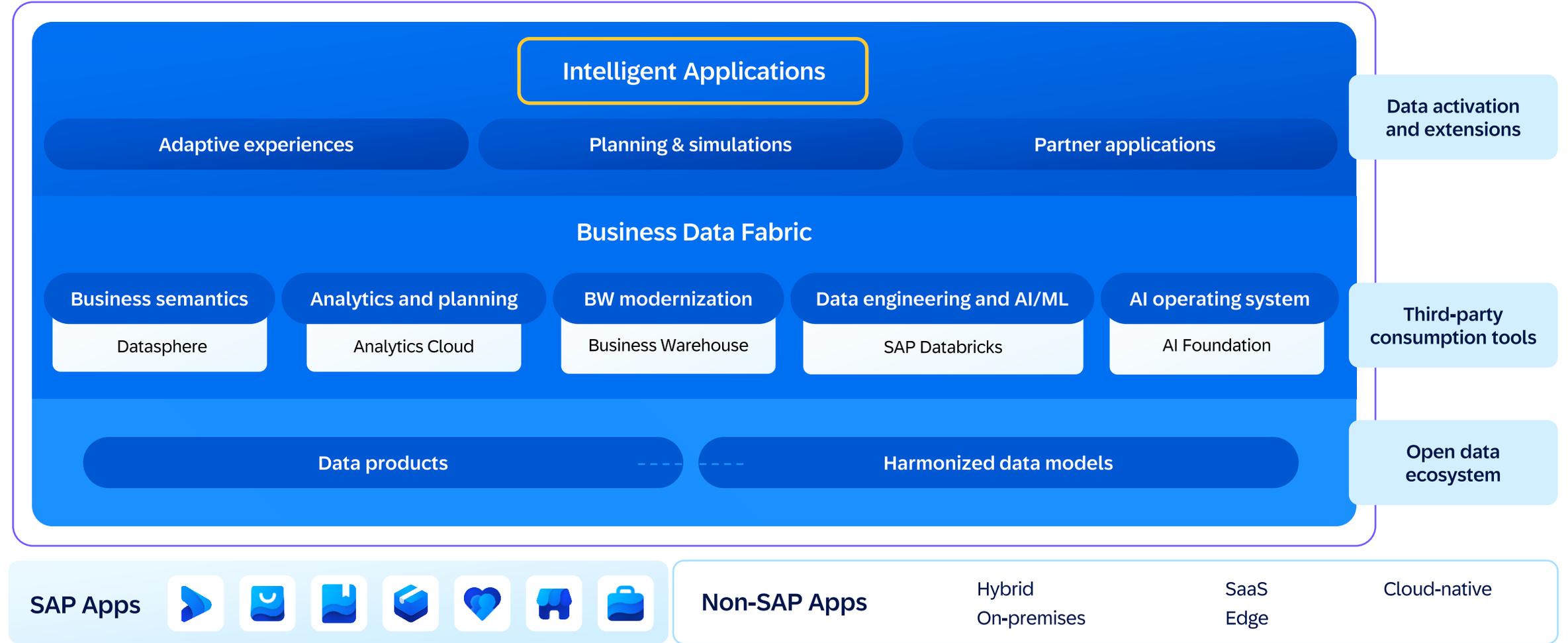


Intelligent applications

Automate routine tasks and complex business processes with applications that learn from your data over time and can act on your behalf.



Intelligent Applications





Intelligent Applications

Example: Working capital—Gain a deep understanding of your operations

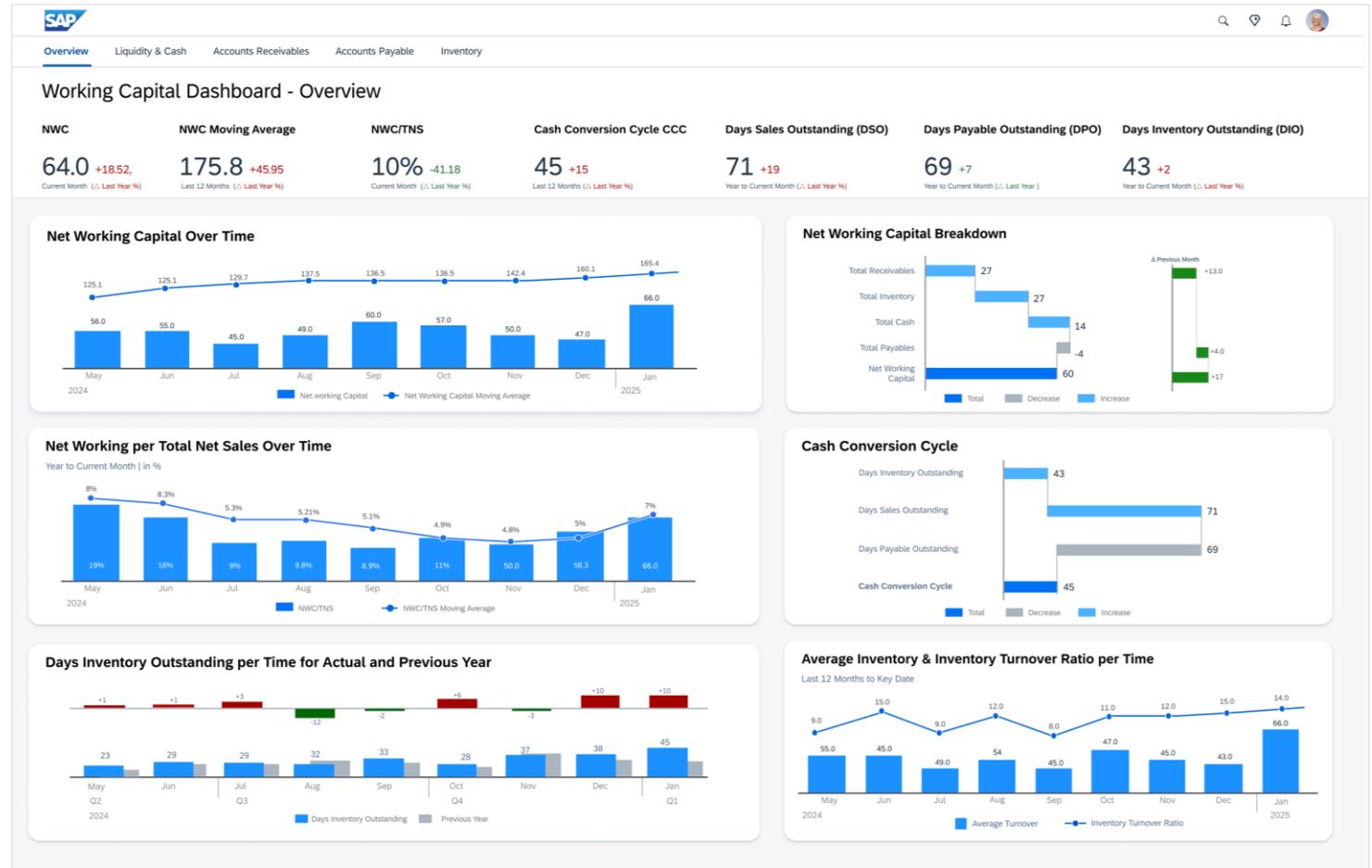
Cloud ERP Intelligence Private

Enables companies to effectively make use of current assets and maintain sufficient cash flow to meet short-term goals and obligations.

 **The intelligent application helps to answer:**

- How has the working capital trended over the past few periods?
- What is the average payment period for accounts payable?
- Are there opportunities to negotiate better payment terms with suppliers?
- What is my days sales outstanding?

SAP Notes [3606495](#), [3606487](#)



SAP Cloud ERP Private differentiators



Real-time insights with SAP HANA, embedded analytics, data products and intelligent applications



Cohesive User Experience with SAP Fiori and Joule



Improve efficiency with Business AI and intelligent technologies



Transform your business with new processes and functionalities



Excellence in cloud operations with all-in-one cloud ERP management

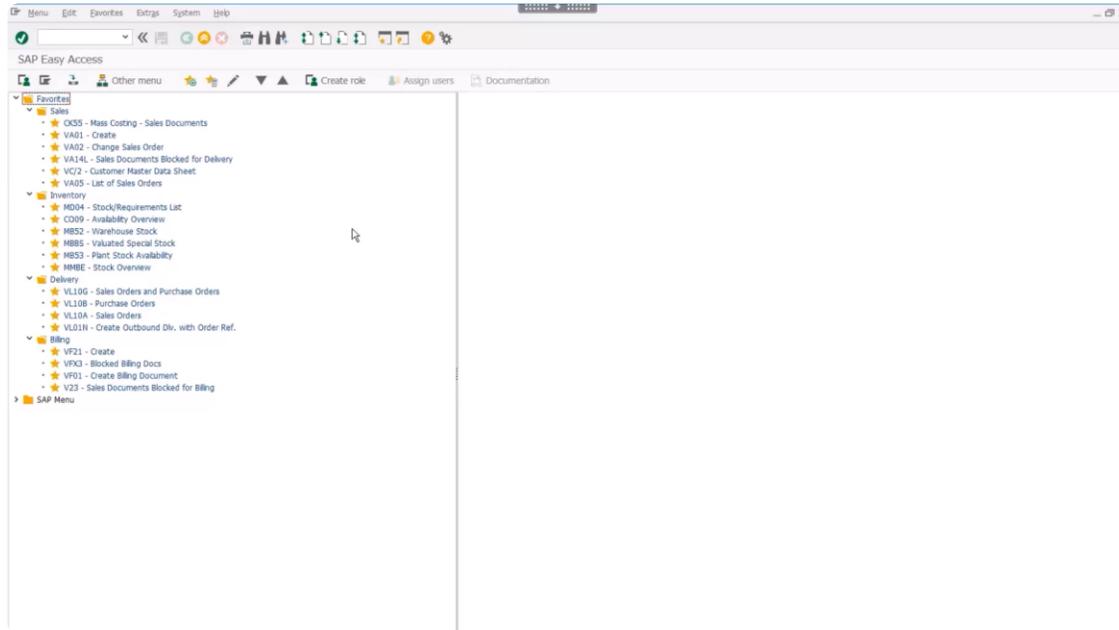
Access to packaged applications

SAP Cloud ERP Private differentiators

SAP Fiori

User Interface Evolution

2014

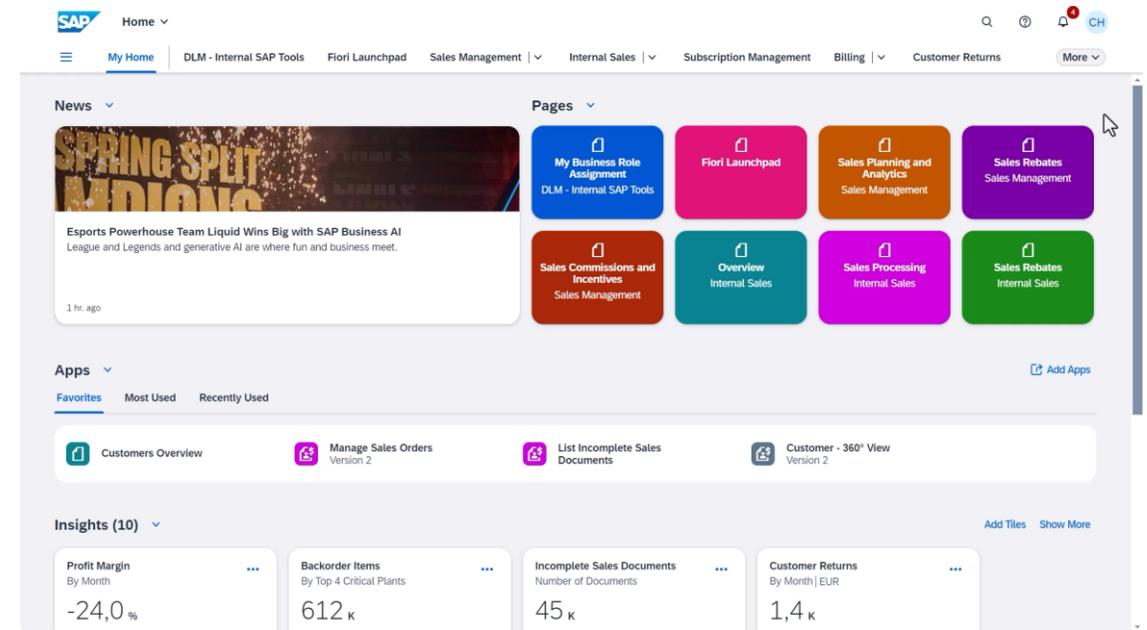
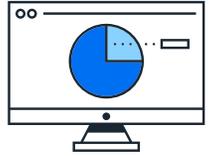


Requires expert experience

Functional

Rigid

2025

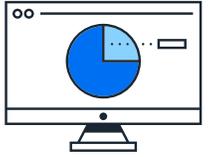


Intuitive

Intelligent, automated, self-driven

Built for agility

SAP Fiori – Evolution



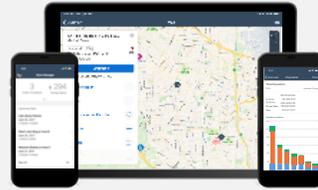
Casual users
Self-service apps



Desktop user
“The new face”



Native mobile
for iOS & Android



Conversational



Next steps of SAP Fiori evolution
SAP Fiori with Quartz



SAP Fiori with Horizon



Consistent ----->
Intelligent ----->
Integrated ----->
Collaborative ----->

2013

SAP Fiori

2016

SAP Fiori 2.0

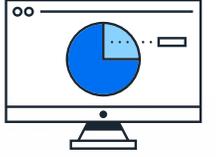
2019

SAP Fiori 3

2022+

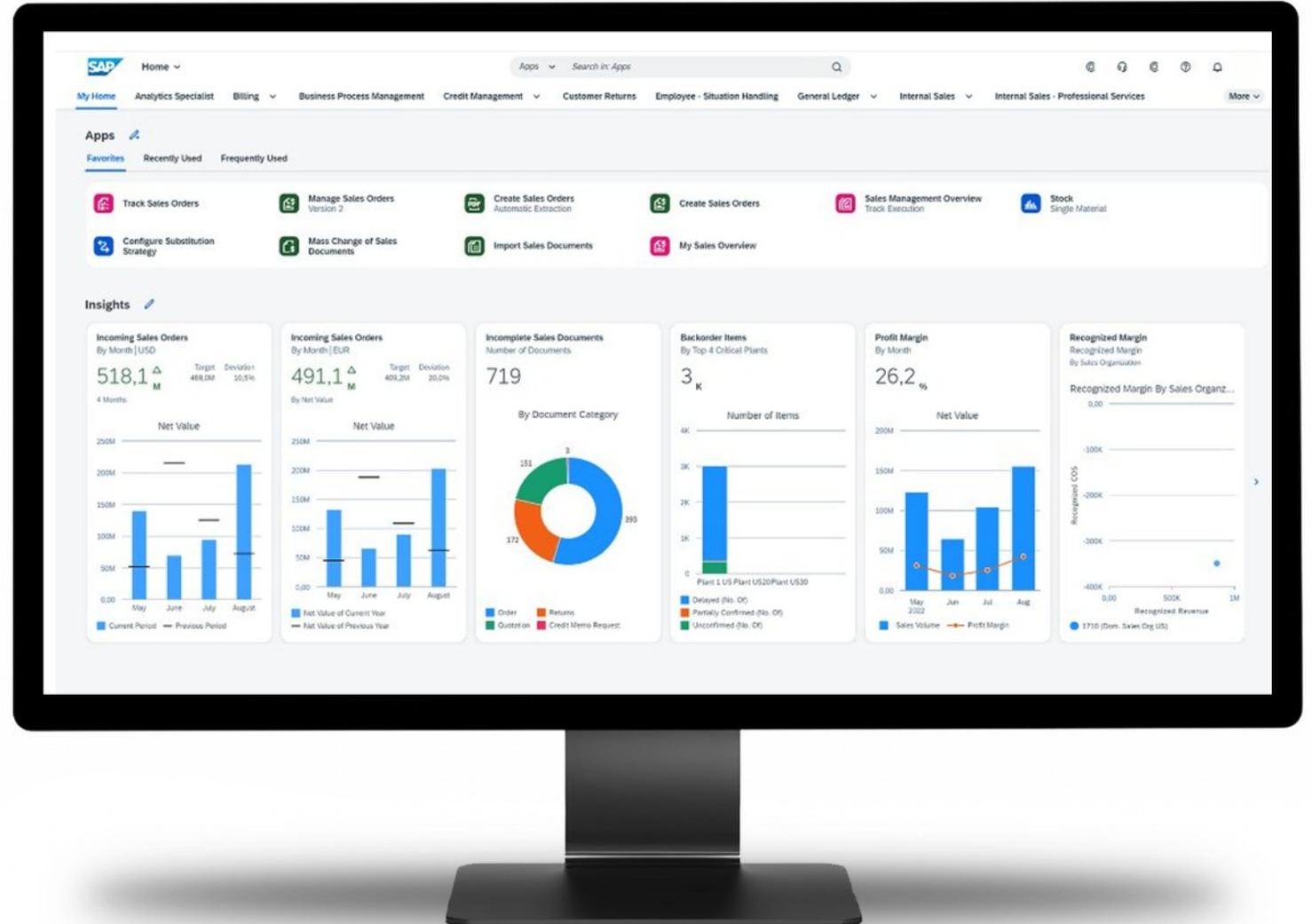
SAP Fiori with Horizon

SAP Fiori



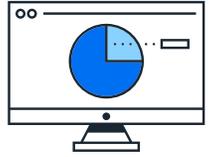
SAP Fiori provides an easier, more intuitive way to run SAP applications in your organization. With a focus on an intelligent, consistent, and integrated user experience, SAP Fiori can help to redefine the way you work in the age of digital transformation.

- More than 3K SAP Fiori apps
- More than 1.5K analytics
- New business models only in SAP Fiori
- More than 300 search objects
- More than 80 notification types
- More than 125 Situation Handling templates
- More than 30 machine learning scenarios
- More than 200 process automation packages in SAP Build Business Accelerator Hub
- More than 700 task tutorials
- Mix and match with more than 10K classic UIs

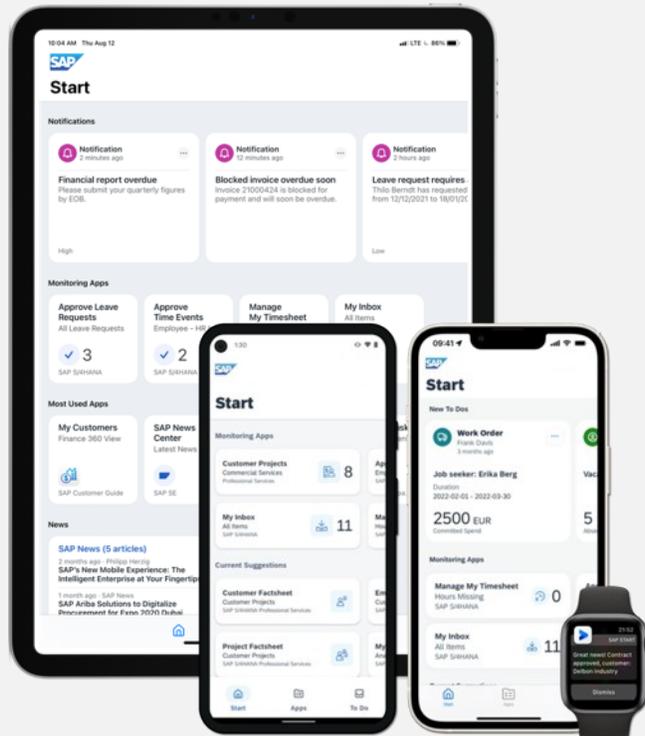


SAP Fiori

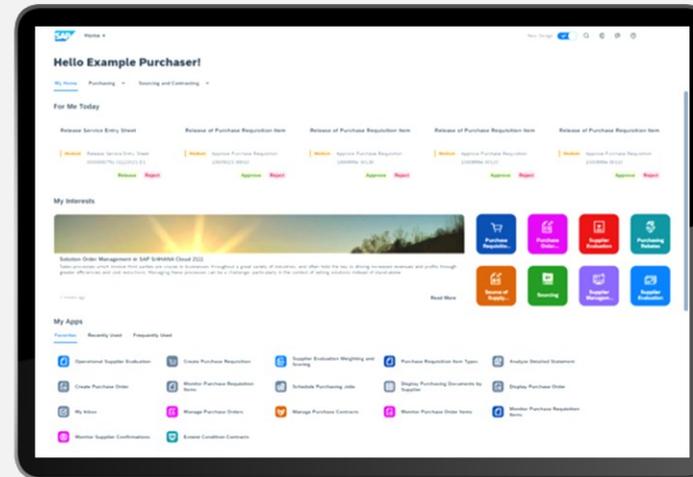
An intuitive, user-centric UX approach allowing users to connect anywhere on any device, improve productivity and adopt rapidly with built-in guidance and support



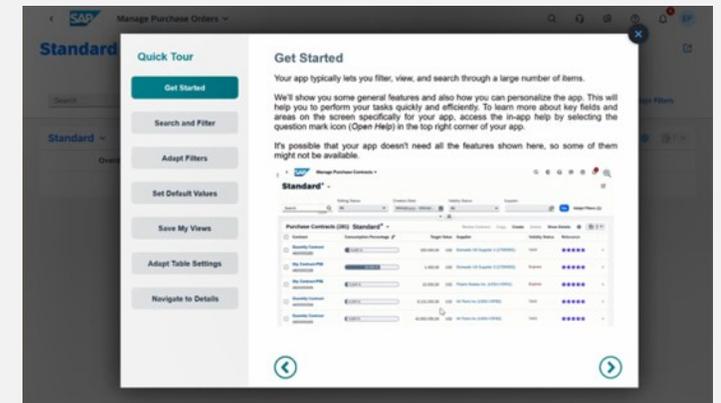
SAP Mobile Start



New UX – Horizon visual theme

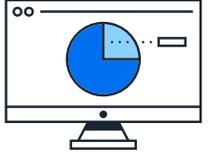


Embedded guidance/support



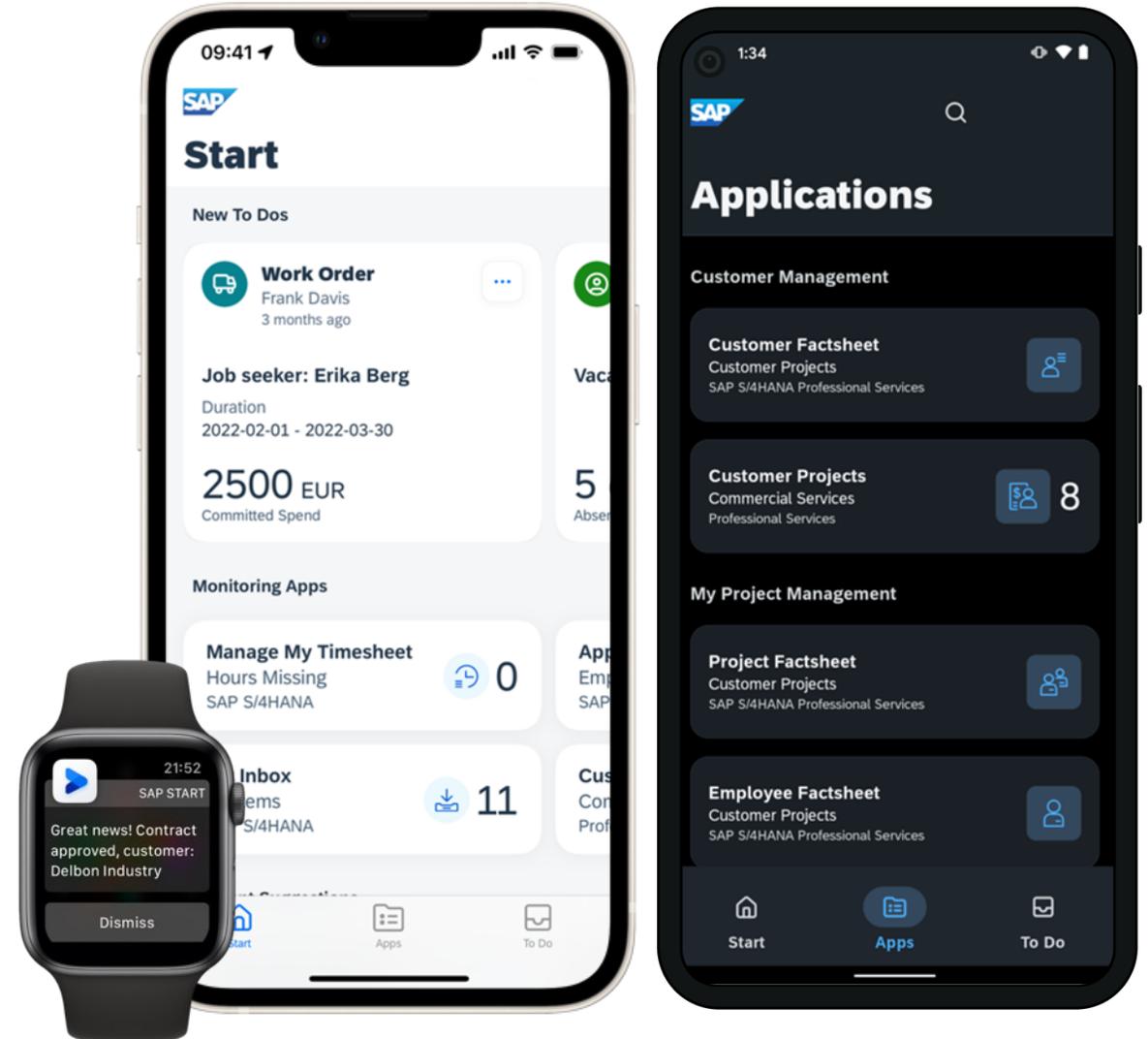
- [Learning the basics of SAP Fiori](#)
- [Discovering SAP S/4HANA embedded analytics](#)
- [Exploring the Authorization Concept for SAP Fiori on SAP S/4HANA](#)
- [SAP Fiori administration](#)
- [Learning Journey 5 Steps to Fiori](#)

SAP Fiori – Mobile



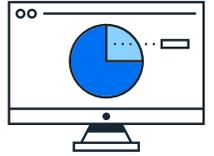
Provides a native entry point to a continuous mobile business experience for everyone, improving work agility and flexibility.

- Mobile access to native or web applications, web content, data or SAP S/4HANA Cloud Private Edition notifications to quickly address business issues
- Consumer-grade user experience designed for an intuitive and personalized native OS experience
- Integrated with SAP Task Center, enabling consolidated view on tasks and workflows for direct actions
- Enabled by SAP Build Work Zone, standard edition
- Customer-managed integration scenario
- No additional license costs



[Overview video on YouTube](#)

SAP Fiori – New “My Home” page



Get “To Dos” list combining “My Inbox” and “My Situations” items

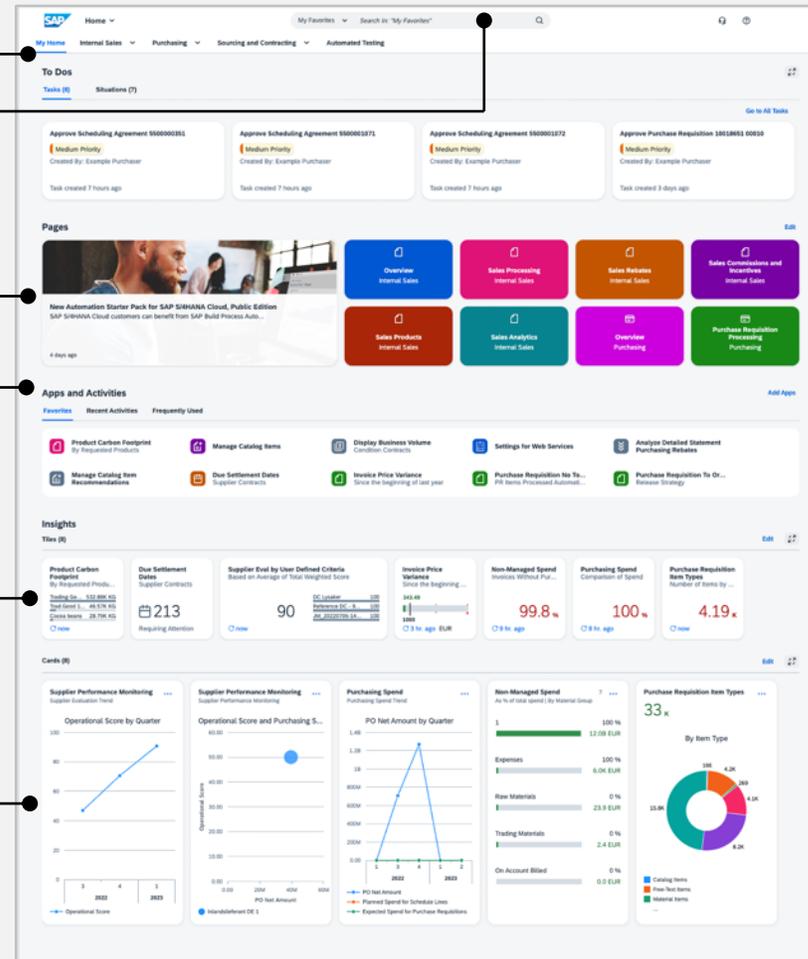
Search for and launch any of your apps instantly

Access your most critical pages quickly

Organize your most relevant apps and activities

Monitor your business thanks to dynamic or smart business tiles

Track your business trends through your pinned cards



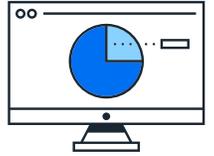
- Access “My Home” on desktops and tablets through the product homepage
- Rely on spaces and pages
- Personalize sections, their contents, and the display order
- Identify instantly which page my app belongs to (color-coded)

What’s New for SAP S/4HANA 2023 Cloud Private Edition and On-Premise (Link to Blog)

What’s New for SAP S/4HANA 2025 Cloud Private Edition and On-Premise (Link to Blog)

SAP Fiori – Collaboration

Collaborate with your colleagues in Microsoft Teams



Share **access to critical business issues** with your co-workers **in chats**

The screenshot shows the SAP Fiori 'Manage Sales Orders - Version 2' application. A 'Share to Microsoft Teams' dialog box is open, allowing the user to share the current view with a Teams chat. The dialog includes a 'Share to' field with 'Sales Processing' selected, a message field containing 'Team, please help to get the sales orders out soon! Thanks :)', and a URL for the shared content. A 'Share' button is at the bottom of the dialog.

Reference	Delivery Block	Billing Block	Net Value	Document...
2023			70.736,00	USD 02/25/2023
2023			70.736,00	USD 02/24/2023
2023			440.332,00	USD 02/24/2023
2023			700,17	USD 02/24/2023
2023			700,17	USD 02/24/2023
2023			220.608,00	USD 02/23/2023
2023			220.608,00	USD 02/23/2023
2023			149.872,00	USD 02/22/2023

Make critical business issues **part of your Teams channels**

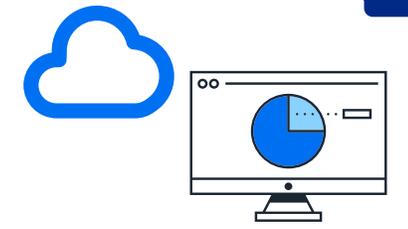
The screenshot shows the Microsoft Teams interface with the SAP Fiori 'Manage Sales Orders - Version 2' application embedded in a 'General' channel of the 'Sales Team'.

Sales O...	Sold-to Party	Customer Reference	Requested Delivery...
325604	SK Vision Corp-C (1000294)	20230225	02/28/2023
325603	SK Vision Corp-C (1000294)	20230224	02/27/2023
325602	SK Vision Corp-C (1000294)	20230224	02/27/2023
325601	Tech Bike Corp-W (1000292)	20230224	02/26/2023
325600	SK Vision Corp-C (1000294)	20230224	02/27/2023



SAP Cloud ERP Private differentiators

Joule

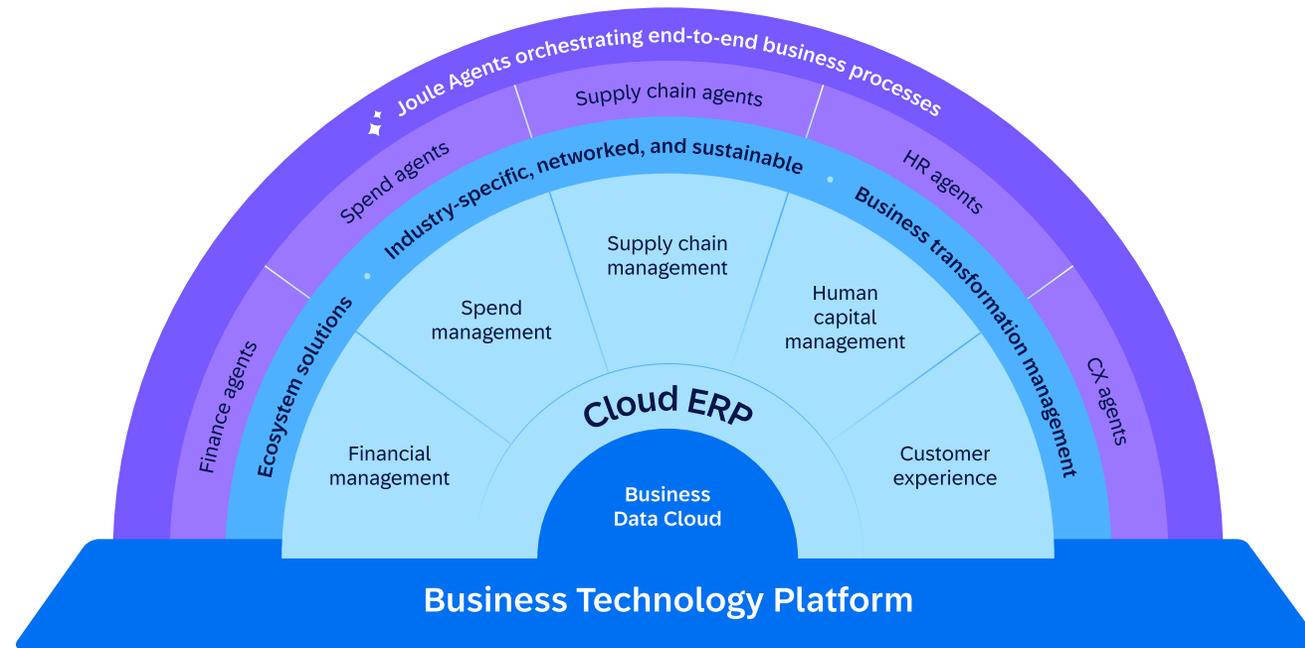


Joule: Infused across the SAP cloud portfolio

Unified Cross User Experience

Natively Embedded Chat UI

Out of the Box Capabilities

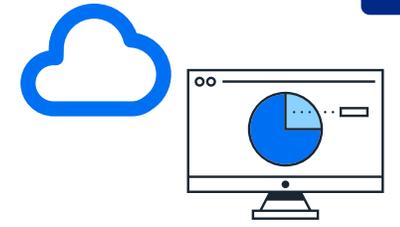


Agility for all
 Give your people more efficient ways of working so they can get more done, faster

Insights at scale
 Give employees immediate, context-rich insights that connect the dots across lines of business to support more effective decision-making.

Simple and secure
 Accomplish tasks quickly across your SAP and third-party systems through a single, integrated, and secure conversational interface.

Limitless outcomes
 Break down siloes with collaborative AI agents capable of reasoning and prioritizing to solve high impact challenges.



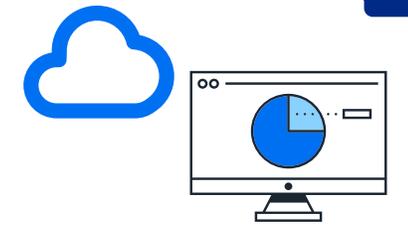
Joule: Infused across the SAP cloud portfolio



Continuous Progress to deliver a rich User Experience

Joule's objective is to deliver a comprehensive library of **skills & capabilities** across SAP cloud applications, significantly **enhancing efficiency for key business personas**.

As SAP **continues to expand Joule's capabilities** across all SAP cloud applications, customers will also be able to **develop their own Joule skills** using Joule's extensibility offering.



Joule: Learn how you can interact with Joule

Four patterns

Informational

Joule

Supplier: Inlandsieferant DE (10100088)
Net Value: 3000.00 EUR

PO: 4500000036
Supplier: Inlandsieferant DE (10100088)
Net Value: 80.88 EUR Open

[Open in App](#) [View More](#)

What are the key rules for a team outing?

BestRun provides an allowance of 50 € per person for a team outing event organized by managers. The allowance covers travel expenses and hotel coverage if needed for colleagues from other locations. It is recommended to include at least one teambuilding event as part of the agenda. Managers should also inform employees to prefer sustainable travel options in accordance with the travel policy.

Source Document

[BestRun_Employee_Policy.docx](#)
Source: Company-Specific Document

Message Joule...

Navigational

Joule

Company: Best Run
Location: San Francisco, CA
Department: Product Engineering
Cost Center: 25ef

You can change something else or send the position for approval. You can also say "cancel" to exit the flow at any time.

Send for Approval

Position sent for approval
Arya Smart is approving your request for Sustainability Supply Chain Consultant. View more in Org Chart.

Go to Org Chart

Message Joule...

Transactional

Joule

Which other position detail would you like to amend? Say "done" when you're ready to move to next step.

Done

Below are the new position details set to be hired starting today.

Key Position Details

Position Name	Sustainability Supply Chain Consultant
Job Code	010405
Job Title	Sustainability Supply Chain Consultant
Regular / Temporary	Regular
Company	Best Run
Location	San Francisco, CA
Department	Product Engineering
Cost Center	25ef

Send for approval

Message Joule...

Analytical

Joule

SF006 Location Guide

1. Ensure diverse and cross-role/ cross-skills interviewer team
2. Do not involve colleagues who are in the probationary period
3. Neutral & fact-based feedback/ recommenda...

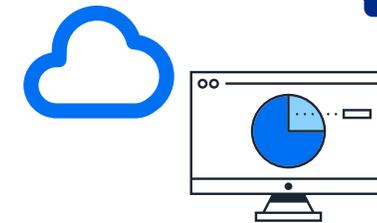
What is the hiring versus attrition trend for this job role in the past 12 months?

Sustainability Supply Chain Consultant
Attrition versus Hiring Rate, Best Run, 2024

124 Similar Roles Hired 6 Role Attrition

Quarter	Hiring Rate	Attrition Rate
Q1	4%	0.4%
Q2	0.7%	0.7%
Q3	0.7%	0.4%
Q4	1.9%	0.4%

Message Joule...



Joule: Learn how you can interact with Joule Informational pattern

Informational

Joule

Supplier: Inlandsiefereant DE (10100088)
Net Value: 3000.00 EUR

PO: 4500000036
Supplier: Inlandsiefereant DE (10100088)
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Open in App View More

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Source Document

BestRun_Employee_Policy.docx
Source: Company-Specific Document

Message Joule...

With **informational interactions**, Joule provides knowledge-based results.

Information based on **SAP help documentation** will be available for all SAP cloud applications.

With **document grounding**, you can upload your own content, such as HR & travel policies or FAQs.

Joule

Company: Best Run
Location: San Francisco, CA
Department: Product Engineering
Cost Center: Z5ef

You can change something else or send the position for approval. You can also say "cancel" to exit the flow at any time.

Send for Approval

Position sent for approval
Arya Smart is approving your request for Sustainability Supply Chain Consultant. View more in Org Chart.

Go to Org Chart

Message Joule...

Joule

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Send for approval

Message Joule...

Joule

SF006 Location Guide

1. Ensure diverse and cross-role/ cross-skills interviewee team
2. Do not involve colleagues who are in the probationary period
3. Neutral & fact-based feedback/ recommendations...

What is the hiring versus attrition trend for this job role in the past 12 months?

Sustainability Supply Chain Consultant
Attrition versus Hiring Rate, Best Run, 2024

124 Similar Roles Hired 6 Role Attrition

Quarter	Roles hired	Attrition
Q1	4.4%	0.7%
Q2	0.7%	0.4%
Q3	1.9%	0.4%
Q4	0.4%	1.9%

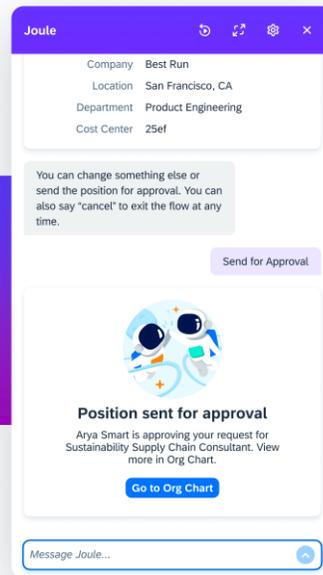
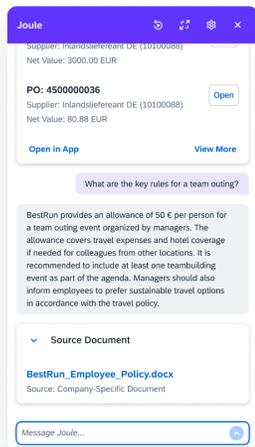
Message Joule...



Joule: Learn how you can interact with Joule

Navigational pattern

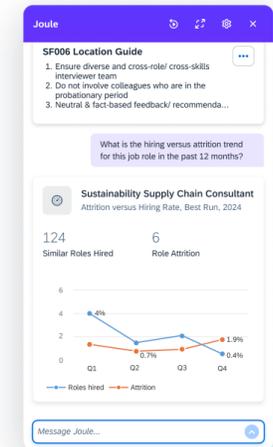
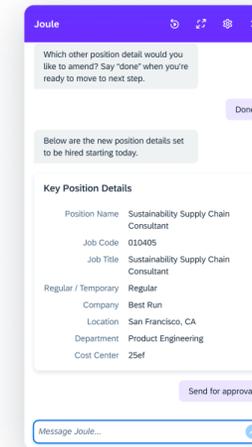
Navigational

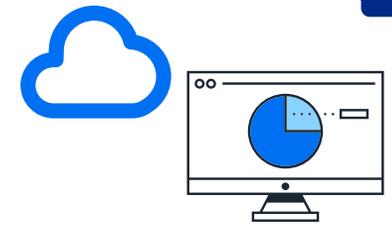


With Joule, you can **easily navigate across SAP products** with navigational interactions.

Joule offers a navigational link that opens the relevant application and interface in a new browser tab.

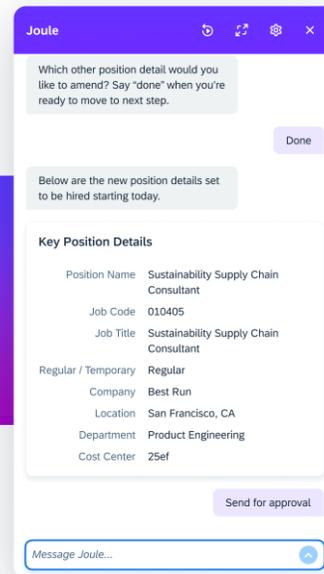
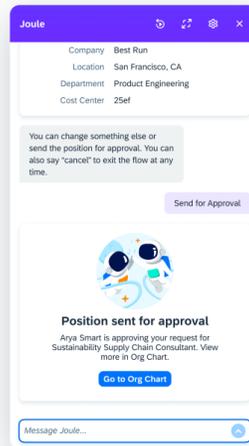
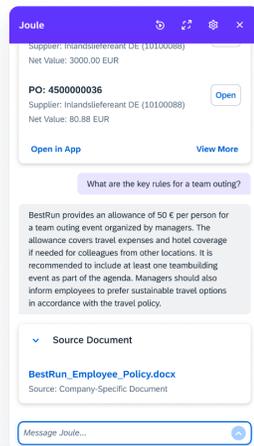
At the destination, you can continue from where you left off, with your previous conversation history and context intact.





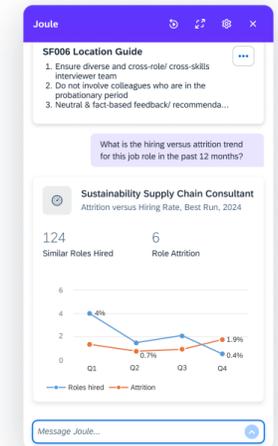
Joule: Learn how you can interact with Joule Transactional pattern

Transactional



Transactional interactions allows you to access backend systems and manage business processes through natural language and AI.

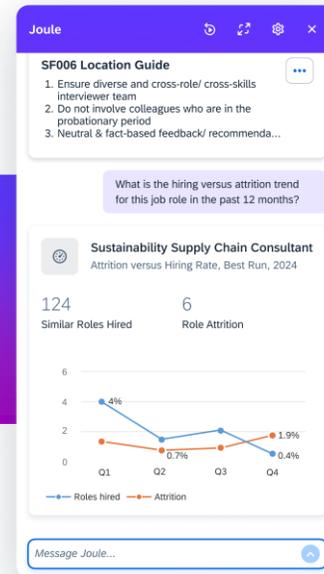
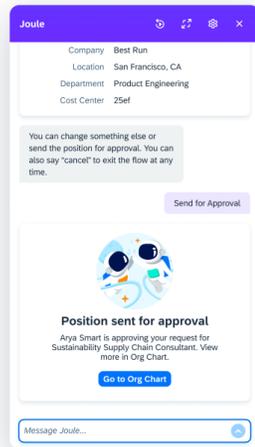
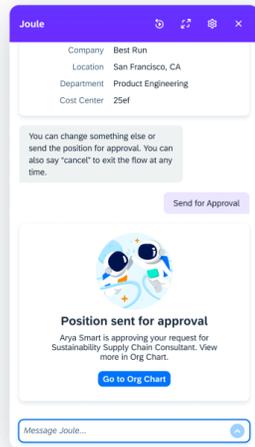
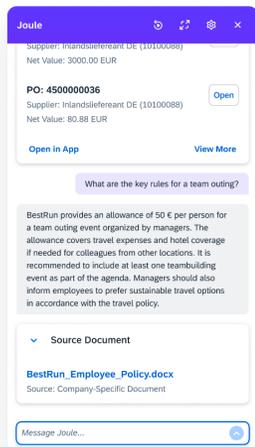
This includes tasks like **approving purchase orders, creating job positions, or other actions** (create, read, update, delete) across SAP business processes.





Joule: Learn how you can interact with Joule Analytical pattern

Analytical



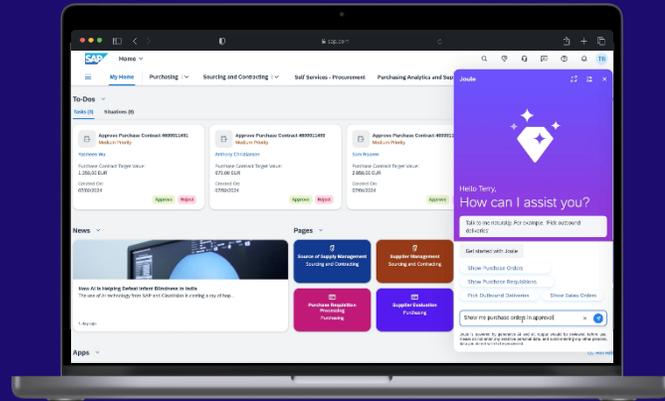
Joule supports analytical interactions.

You can ask analytical questions while Joule leverages **JustAsk in SAP Analytics Cloud** to provide analytical insights.*

In 2025, we aim to integrate Joule into **SAP Analytics Cloud** and enhance Joule's analytical capabilities with the power of **SAP Business Data Cloud**.



Joule in SAP Cloud ERP Private



Joule for SAP Cloud ERP Private
empowers users to execute their everyday tasks more efficiently and express their business requirements in natural language.

Users can quickly navigate to applications, gain fast insights into critical business data, receive help based on SAP help documentation and run business scenarios.

Example overview of skills

Transactional

- “Show me maintenance order 916233”
- “Give me an overview of the material documents”
- “Show me the master data for business partner XYZ”

Navigational

- “Where can I see overdue purchase requisitions?”
- “Find apps to check item quantity in purchase order 012345678”
- “Are there apps for uploading a supplier invoice?”
- “Where can I see overdue purchase requisitions?”

Informational

Answer questions on SAP help documentation with direct navigation to sources

Links

SAP Cloud ERP Private

- [SAP.com](#)
- [SAP Discovery Center](#)
- [SAP Community Blog Post](#)
- [Interactive Value Journey](#)
- [SAP Help Documentation](#)

[Navigational and Transactional capabilities with Joule in SAP S/4HANA Cloud Private Edition](#)





SAP Cloud ERP Private differentiators

Joule: Learn how you can interact with Joule—Across lines of business

Procurement



Joule for purchase requisitions, purchase orders and supplier invoices



Supply Chain



Joule for outbound deliveries



Manufacturing



Joule for production orders and process orders



Sales



Fetch sales order and billing document information using Joule



Joule for sales orders, solution quotations and billing documents



Mass change of sales orders using Joule



Service



Joule for service confirmations



Joule for service orders and in-house service objects



Release Service Orders and Service Order Items using Joule



Finance



Joule for G/L Account Balance and Line Items



Joule for subscription order and subscription contract



Joule for accountants, cash managers and project controller



Joule for convergent invoicing and contract accounting



R&D



Joule for BOM for transactions and navigation



Joule for change records for transactions and navigation



Joule for project assistants



Asset Management



Using Joule for Perform Maintenance Jobs



Using Joule for Maintenance Orders and Notifications



Using Joule for create and View Maintenance Events



Cross Functional



Manage Business Partners using Joule



Display Product Master using Joule



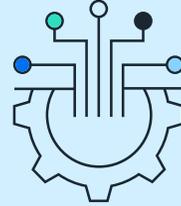
SAP Cloud ERP Private differentiators



Real-time insights with SAP HANA, embedded analytics, data products and intelligent applications



Cohesive User Experience with SAP Fiori and Joule



Improve efficiency with Business AI and intelligent technologies



Transform your business with new processes and functionalities



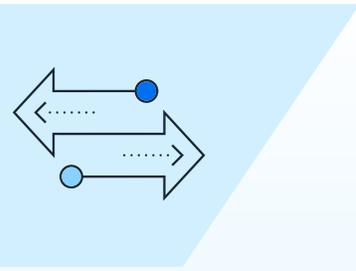
Excellence in cloud operations with all-in-one cloud ERP management

Access to packaged applications



Intelligent technologies

Harnessing the power of artificial intelligence technologies across business processes



Interact with
SAP Collaboration
Manager and
Joule Agents



Optimize with
SAP Business AI
embedded in
business
processes



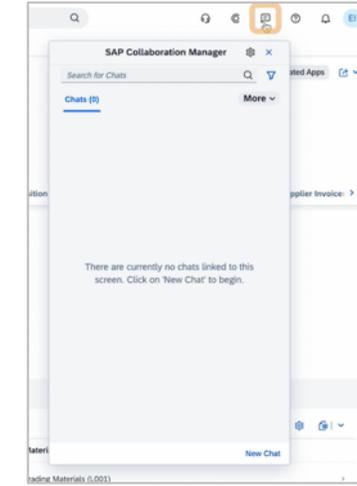
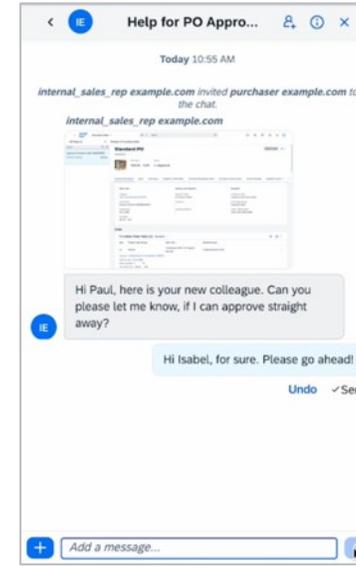
Anticipate with
Situation
Handling



Intelligent technologies Interact

The **SAP Collaboration Manager** provides chat capabilities for Peer-to-Peer communication and collaboration, enriched with Business Context

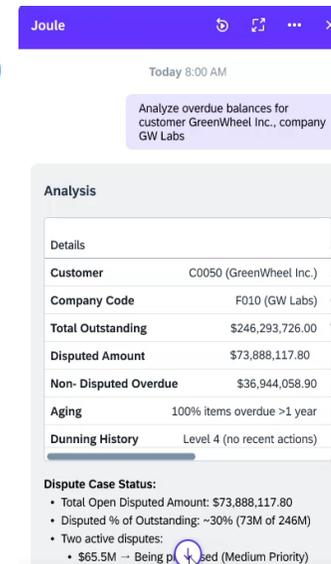
- Conversation
- Screen Capture
- Contextual Business Object Capture for real-time access



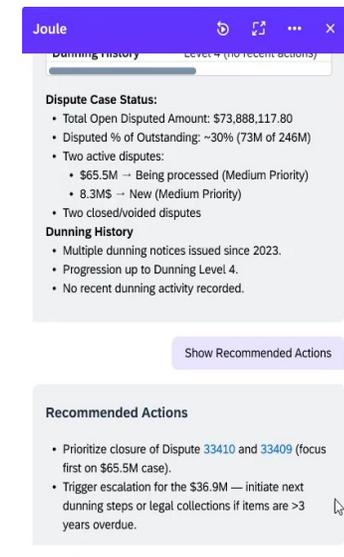
Joule Agents are AI agents embedded into every business function and accessed with role-based assistants. They use SAP's process expertise to automate complex workflows and deliver AI value at scale:

- Save costs in every function
- Realize AI value at scale
- Accelerate complex workflows

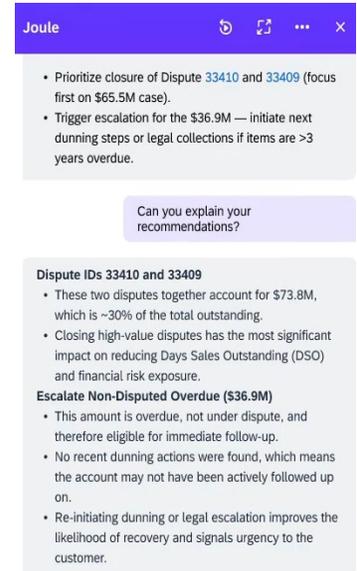
Explore [Discovery Center for Agents](#)



Analyze overdue balances



Recommend Actions



Explain recommendations



Intelligent technologies

Optimize – with SAP Business AI

- Learn from customer specific history and exceptions to predict, support specific steps or automate business user decisions
- Embed moderate ML requirements like Forecasting, Trending, Recommendation and Data Extraction in SAP Cloud ERP Private
- Accelerate business processes through context-aware AI and AI-augmented user experiences
- Usage of SAP AI Services like:
 - Document Information Extraction
 - Personalized Recommendation

[Link to SAP Business AI](#)



SAP Cloud ERP Private differentiators

SAP Business AI across the lines of business

Supply Chain



AI-assisted creation of inbound cargo and shipping documents



Machine learning based planned execution times for warehouse tasks



AI-assisted conversational planning in Transportation cockpit



Manufacturing



AI-based explanation assistant of "Detailed Scheduling Optimizer" results



Sales



AI-assisted monitoring and resolving sales order fulfillment issues.



Service



AI-assisted in-house service initiation



AI-assisted equipment summary



Finance



Dispute Resolution Agent, and Accounts Receivables Agent*



AI-assisted Journal Upload



Asset Management



AI-assisted maintenance order recommendation



Maintenance Planner Agent*



Cross Functional



MDG: Assisted Changes and Summarization of Change Requests



MDG: Assisted Change for "Custom Objects"



Intelligent technologies

Anticipate – Situation Handling



Business situations requiring attention like

- Exceeding budgets
- Nearing deadlines or pending confirmations
- Expiring or consumed contracts, ...

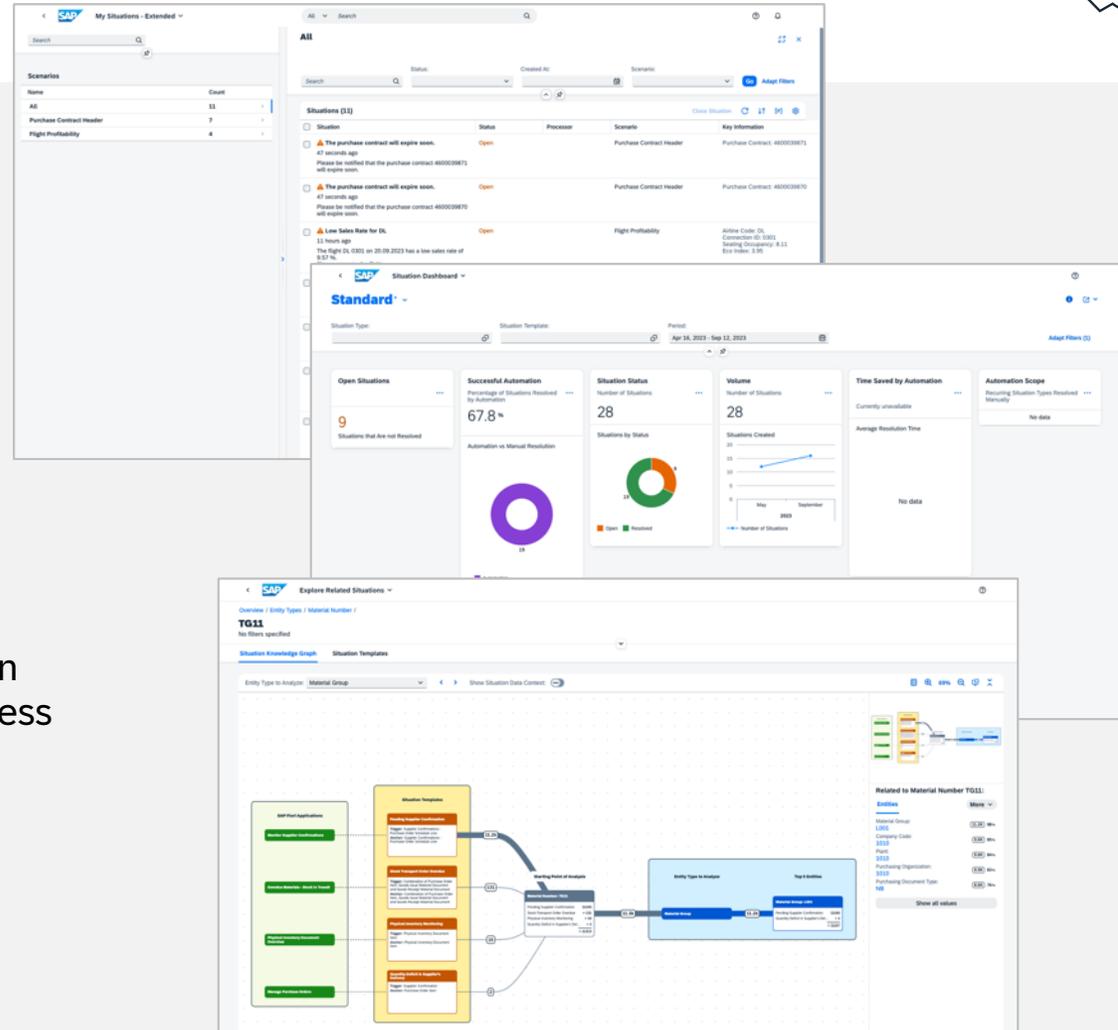
... can have severe consequences, if not handled properly and timely:

- Avoidable costs
- Frustrated staff
- Loss of customers

Situation Handling – to Resolve Issues Requiring Attention

- Identify urgent and important business issues requiring attention
- Automatically inform the right group of users to speed up business
- Intelligent support to make the right decisions
- Optimize the business processes continuously
- Monitoring capabilities and data context creation enable advanced analytics and automation

[Link to documentation](#)



SAP Cloud ERP Private differentiators



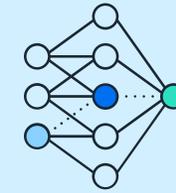
Real-time insights with SAP HANA, embedded analytics, data products and intelligent applications



Cohesive User Experience with SAP Fiori and Joule



Improve efficiency with Business AI and intelligent technologies

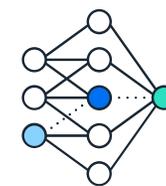


Transform your business with new processes and functionalities



Excellence in cloud operations with all-in-one cloud ERP management

Access to packaged applications



New and updated processes and functionalities

<p>Procurement </p> <ul style="list-style-type: none"> Central procurement* Product sourcing Carbon footprint in procurement Service procurement Supplier evaluation Catalog buying 	<p>Supply Chain </p> <ul style="list-style-type: none"> Extended warehouse management Advanced available to promise Direct delivery Advanced shipping and receiving Extended service parts management* Greenhouse gas emissions Unified package builder 	<p>Manufacturing </p> <ul style="list-style-type: none"> Accelerated MRP (live) Predictive MRP Production engineering and operations (PEO) Embedded constraint-based planning (PPDS) Supply-creation-based confirmation 	<p>Sales </p> <ul style="list-style-type: none"> Advanced intercompany Condition contract management Solution business Sales force support Sales order automation 	<p>Service </p> <ul style="list-style-type: none"> Service with advanced execution In-house repair with advanced Execution Item-based accounting in service Combined field service and in-house repair
<p>Finance </p> <ul style="list-style-type: none"> Universal journal Group reporting Central finance* Multi-bank connectivity Document and reporting compliance Financial compliance management 	<p>R&D </p> <ul style="list-style-type: none"> Product compliance Advanced variant configuration Software constraints Change record 	<p>Asset management </p> <ul style="list-style-type: none"> Phase-based maintenance Process Work packs Asset performance analysis 	<ul style="list-style-type: none"> Key-user and developer extensibility Responsibility management Enterprise search Master data governance Flexible workflow Intelligent scenario lifecycle management Integrated Business Communications* Cross-topic  	

SAP Cloud ERP Private differentiators



Real-time insights with SAP HANA, embedded analytics, data products and intelligent applications



Cohesive User Experience with SAP Fiori and Joule



Improve efficiency with Business AI and intelligent technologies

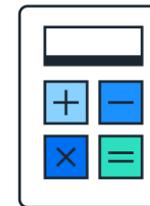


Transform your business with new processes and functionalities



Excellence in cloud operations with all-in-one cloud ERP management

Access to packaged applications



Excellence in Cloud Operations

All-in-one cloud ERP management

SAP as your one trusted partner — running, monitoring, and updating your private cloud, while giving you visibility into operations and control over your business processes.



Management & support

Streamlined business continuity with AI-driven monitoring, support, and issue resolution.



Security & resiliency

Built-in cybersecurity, certified compliance, and data protection safeguards.



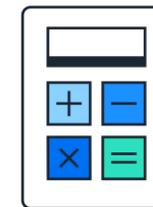
Scalability & agility

Flexible deployments that adapt and grow with your business needs.

[L100: SAP Cloud ERP Private | Operate with security, agility, and end-to-end support.](#)

Excellence in Cloud Operations

All-in-one cloud ERP management

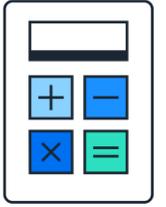


On-premise or IaaS



SAP Cloud ERP Private

	On-premise or IaaS	SAP Cloud ERP Private
Management and Support		
Experience One-unified-SLA from infrastructure to application	✗	✓
Get AI powered support with SAP Cloud ALM	✗	✓
10,000+ SAP experts available to manage and support	✗	✓
Security and Resiliency		
Benefit from SAP's security tools and 3 rd party collaborations	✗	✓
Use SAP's purpose built backup and disaster recovery solutions	✗	✓
Reduce audit stress with audit-ready reporting from SAP	✗	✓
Scalability and Agility		
Scale infrastructure reliably — with predictable costs and no surprises	✗	✓
On-demand premium services from trusted SAP experts and certified partners	✗	✓
Truly reduce total cost of IT ownership	✗	✓



Access to packaged business applications

Leverage modern cloud business applications with continuous innovation and the latest standard capabilities. Gain financial agility across your supply chain through integrated solutions, enhancing visibility, control, and a connected experience.

Advanced finance capabilities

SAP Analytics Cloud for planning

Shared services management

SAP Enterprise Service Management

Working capital management

SAP Taulia

Advanced procurement capabilities

SAP Business Network Supplier Portal for SAP Cloud ERP Private

[Learn more about the SAP Cloud ERP Private Package](#)



[Press release for SAP Cloud ERP Private Package](#)



[L100: SAP Cloud ERP Private Package](#)

Compatibility Scope





Compatibility Packs in SAP S/4HANA

Overview

SAP grants a timely restricted⁽¹⁾ use right for specific classic SAP solution functionality⁽²⁾ to SAP S/4HANA customers, at no extra cost⁽³⁾

(1) restricted until the end of 2025*

(2) Positive list of compatibility packs as documented in note [2269324](#) and referenced in the Software Use Rights (SUR, on-premise) / Service Description Guide (SDG, cloud)

(3) condition: customer has licensed SAP S/4HANA and the classic solution

Compatibility Packs are only required for solutions which are installed on the SAP S/4HANA instance – not for side-by-side installations.

SAP has delivered and keeps developing genuine S/4HANA go-to solutions for most compatibility packs up to and with release 2023.



Compatibility Packs in SAP S/4HANA CP Matrix and Licensing

A CP is an **S/4HANA compatible copy** of a “classic” = Business Suite software product.

All CPs are listed on the **Compatibility Scope Matrix**. It contains:

- complete or partial solutions
- LoB/Industry- and ERP Core solutions
- Additional information to better identify the scope and cross-link information (as applicable – application component, link to Simplification Item, ID)

The CP Matrix is **release-independent and static**. CPs exist in SAP S/4HANA **on-premise and private cloud edition**.

Licensing example: Net new customer from the Chemicals Industry:

- Customer licenses:
 - SAP S/4HANA Enterprise Management users [7018652, 7018653, 7018654]
 - SAP EHS Management, Product Safety [7010170] -> on CP matrix
- Customer may install EHS-Product Safety (a) on-stack on his S/4HANA system or (b) side-by-side

SAP S/4HANA Compatibility Scope Matrix (Expiration Date: December 31, 2025)

Item ID	Material	Classical Solutions Name	SAP S/4HANA Compatibility Pack Solutions*	Type***	Subcomponent
Part 1: Universal Compatibility Packs					
101	7002928	SAP Payroll Processing for Non-profit Organizations	CP-SAP Payroll Processing for Non-profit Organizations	U	complete solution
102	7009037	SAP EHS Management: product and REACH compliance	CP-SAP EHS Management: product and REACH compliance	U	complete solution - does not contain SAP REACH Compliance, cf. note 2267423
103	7009233	SAP Remote Logistics Management for Oil&Gas	CP-SAP Remote Logistics Management for Oil&Gas	U	complete solution
104	7009240a, b	SAP Merchandising for Retail	CP-SAP Merchandising for Retail-U**	U	AFS Integration, Power Lists, Additional POS Outbound, Sales Forecasting, Replenishment Retail Demand Management Integration, Closed loop BW scenarios Markdown Plan Bonus Buy
105	7009814	SAP Financial Closing cockpit	CP-SAP Financial Closing cockpit	U	complete solution
106	7010164	SAP Payment Engine	CP-SAP Payment Engine	U	complete solution
107	7010170	SAP EHS Management, product safety	CP-SAP EHS Management, product safety	U	complete solution
108	7011057	SAP Bank Communication Management, option for multisystem payment consolidation	CP-SAP Bank Communication Management, option for multisystem payment consolidation	U	complete solution
109	7011091	SAP Common Area Maintenance Expense Recovery	CP-SAP Common Area Maintenance Expense Recovery	U	complete solution
110	7012023	SAP Service Station Retailing for O&G	CP-SAP Service Station Retailing for O&G	U	complete solution
111	7015835	SAP SAP Enterprise Integration for Work Manager mobile app	CP-SAP Enterprise Integration for Work Manager mobile app **	U	"Mobile AddOn for ERP 6.2"
112	7016033	SAP Tax Classification and Reporting	CP-SAP Tax Classification and Reporting	U	complete solution
113	7016118	SAP Enterprise Integration for Inventory Manager mobile app	CP-SAP Enterprise Integration for Inventory Manager mobile app **	U	"Mobile AddOn for ERP 6.2"
114	7016733	Asset management for oil & gas	CP-Asset management for oil & gas	U	complete solution
115	7017275	SAP Multiresource Scheduling	CP-SAP Multiresource Scheduling	U	complete solution
116	7017276	SAP Multiresource Scheduling with Optimizer	CP-SAP Multiresource Scheduling with Optimizer	U	complete solution
117	7017373	SAP Payroll Processing	CP-SAP Payroll Processing	U	complete solution
118	7017375	SAP Shared Service Framework, Human Resources	CP-SAP Shared Service Framework, Human Resources	U	complete solution
119	7017517	SAP Equipment and Tools Management for EC&O	CP-SAP Equipment and Tools Management for EC&O	U	complete solution
120	7017524	SAP Educational Services for HER	CP-SAP Educational Services for HER **	U	Student Lifecycle Management (SLcM)
121	7017545	SAP Capital Yield Tax Mgmt, international version	CP-SAP Capital Yield Tax Mgmt, international version	U	complete solution
122	7017546	SAP Capital Yield Tax Mgmt, version for Germany / Switzerland	CP-SAP Capital Yield Tax Mgmt, version for Germany / Switzerland	U	complete solution
123	7017755	SAP Force Organization & Personnel for D&S	CP-SAP Force Organization & Personnel for D&S	U	complete solution
124	7017756	SAP Force Sustainment for D&S	CP-SAP Force Sustainment for D&S	U	complete solution
125	7018102	budget-based benefits selection	CP-budget-based benefits selection	U	complete solution
126	7018354	SAP Hydrocarbon Supply & Primary Distribution for O&G			

Compatibility Packs in SAP S/4HANA

Motivation



Why allow the use of Compatibility Packs on SAP S/4HANA?

- Make transition easier for customers using SAP ERP/Business Suite
- Allow sufficient time for redesign of business processes under S/4HANA

Only SAP S/4HANA solutions are allowed to run on an SAP S/4HANA installation

- SAP S/4HANA is a new product, not the legal successor of SAP ERP/SAP Business Suite products
- Separation of the commercial worlds is essential [via Software Use Rights (SUR)]





Compatibility Packs in SAP S/4HANA

Overview

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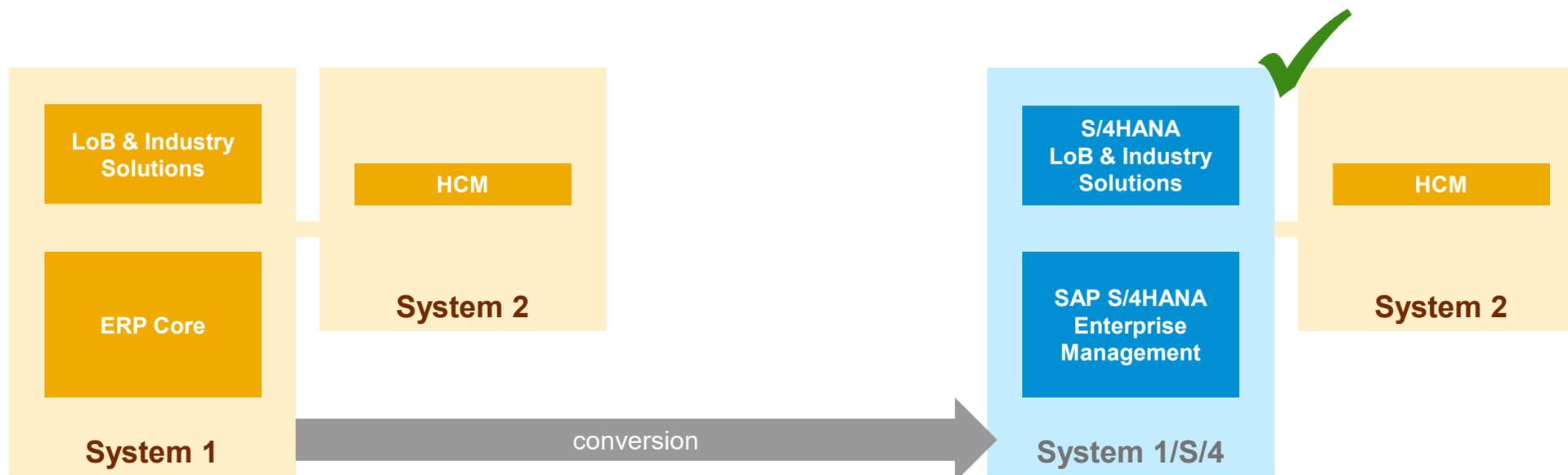
SAP has delivered and keeps developing genuine S/4HANA go-to solutions for most compatibility packs up to and with release 2023.



Compatibility Packs in SAP S/4HANA

A Bridge Into the New World – Side-by-side versus On-stack Installation

Running a classic SAP ERP solution side-by-side with SAP S/4HANA does not require a Compatibility Pack.

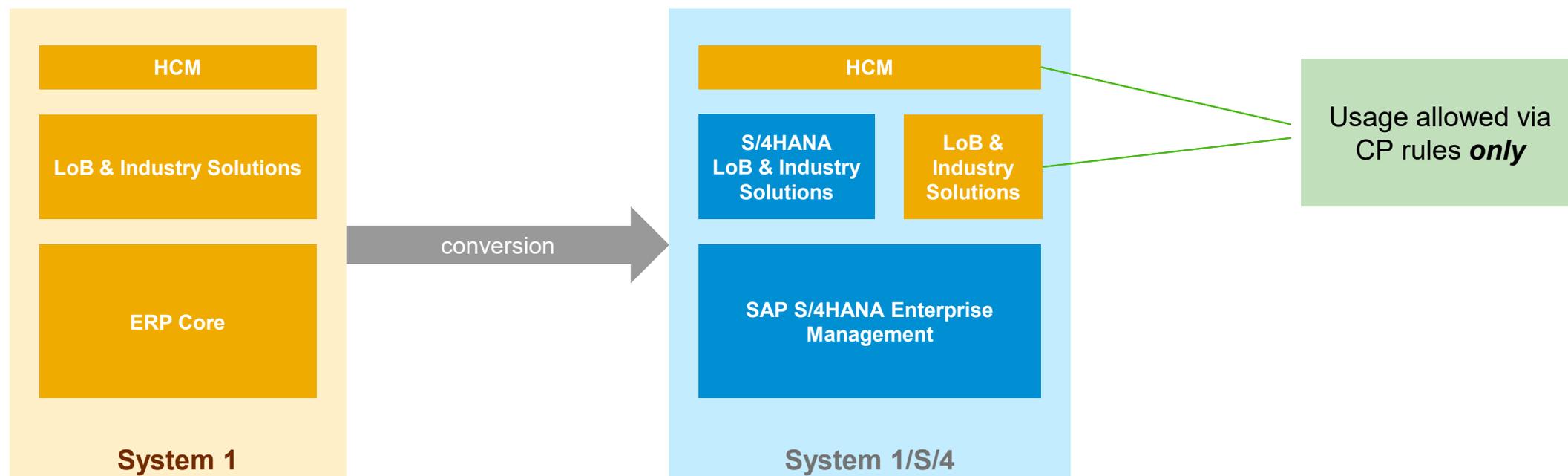




Compatibility Packs in SAP S/4HANA

A Bridge Into the New World – Side-by-side versus On-stack Installation

Example: HCM as **on-stack** installation



Compatibility Packs in SAP S/4HANA

Overview



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Compatibility Packs in SAP S/4HANA

Webinars on SAP Community



(1) Overview: Recording and slides [available on youtube](#) since Sept 27, 2023

Call to Action for SAP S/4HANA Customers: compatibility packs

Thursday, September 27
@10:00 CEST

 **Michael Deller**
Senior Director Solution Management
SAP S/4HANA Cloud

 **Roland Hamm**
Product Manager SAP S/4HANA
private cloud

Compatibility Packs in SAP S/4HANA: The Way Forward in Detail

May 7, 2024 - 3 pm CEST





(2) Deepdive: Recording and slides [available on youtube](#) as of May 7, 2024 in [German](#) available on youtube as of August 1, 2024

Finance





SAP Cloud ERP Private differentiators

**SAP HANA and
Embedded Analytics**

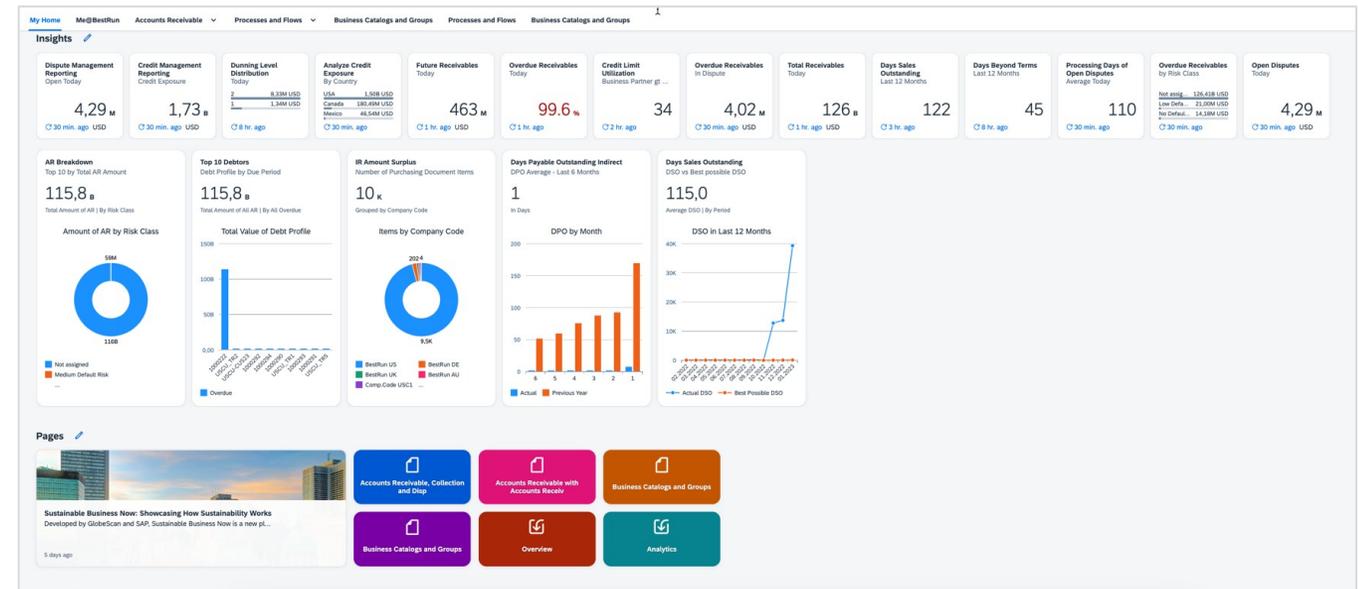


SAP HANA and Real-time Analytics Role-based Dashboards

Control all aspects of Accounts Receivables with an embedded and real-time 360 analytics dashboard – no delay and tailored for your business

Finance has more than 200 analytical applications – discover more [in SAP Fiori Apps Reference Library!](#)

- **Analyze** most important **Accounts Receivables and Receivables KPIs** in one dashboard
- Out-of-the-box reports in SAP Analytics Cloud (SAC)
- Combine with other areas from Accounts Payables, Receivables Management and Treasury for instant working capital analysis
- **Real-time transactional data**
- Seamless drill down from dashboards into transactional views (**insight to action**)
- Users can **tailor the dashboard to their needs** with easy-to-use self service config tools





SAP HANA and Real-time Analytics In-process Analytics

- Streamlined experience for the user - rather than pushing “stale” data to a separate reporting platform
- Combine analytics and processing support immediate insight-to-action processes
- Color coding and KPIs focus attention where action is needed

10100001
Inlandskunde DE 1, street, 12345 Walldorf, Germany

General Data **Global Credit Data** **Score Validity Days** **Scoring Trend** **Credit Limit Trend** **Aging Grid** **Payment Trend**

Partner: 10100001 (Inlandskunde DE 1) Risk Class: A (No Default Risk) 145

Country/Region Risk: 1 (Very Low Risk) Limit in Main Sgmt.: 900.000.000,00 USD

Date founded: 02.01.2000 Exposure (Main Sgmt): 665.370.937,26 USD

Utilization %: 73,9

Scoring Credit Segments External Ratings Documents with Credit Block Credit Limit Requests Partner Hierarchy Financial Statement Data Credit Insurances Collateral Negative Credit Events Check Exceptions Score Evaluation Log Notes Attachments Change Documents

Calculation Rule: STANDARD (Standard Rule Without Automatic Calculation) Score Valid To: 18.06.2023 Risk Class: A (No Default Risk) Changed On: 06.12.2022 Credit Check Rule: 02 (Credit Limit Check Only (Statistical)) First Year of Customer Relationship: 2004

Score: 80 Calc. Score: 0 Calc. Risk Class: B (Low Default Risk) Credit Group: -

Score Changed On: 20.12.2022

Credit Segments

Segments (3) Standard

Credit Segment	Block Reason	Exposure	Utilization %	Credit Limit	Special Atte...	Resubmission ...
0000 Credit Segment 0000		665.370.937,26 USD	73,9	900.000.000,00 USD	No	>
1000 Credit Segment 1000		665.370.937,26 USD	8,3	8.000.000.000,00 USD	No	>
2000 suki test		0,00 CNY	0,0	100.000,00 CNY	No	>

External Ratings

Ratings (3) Standard

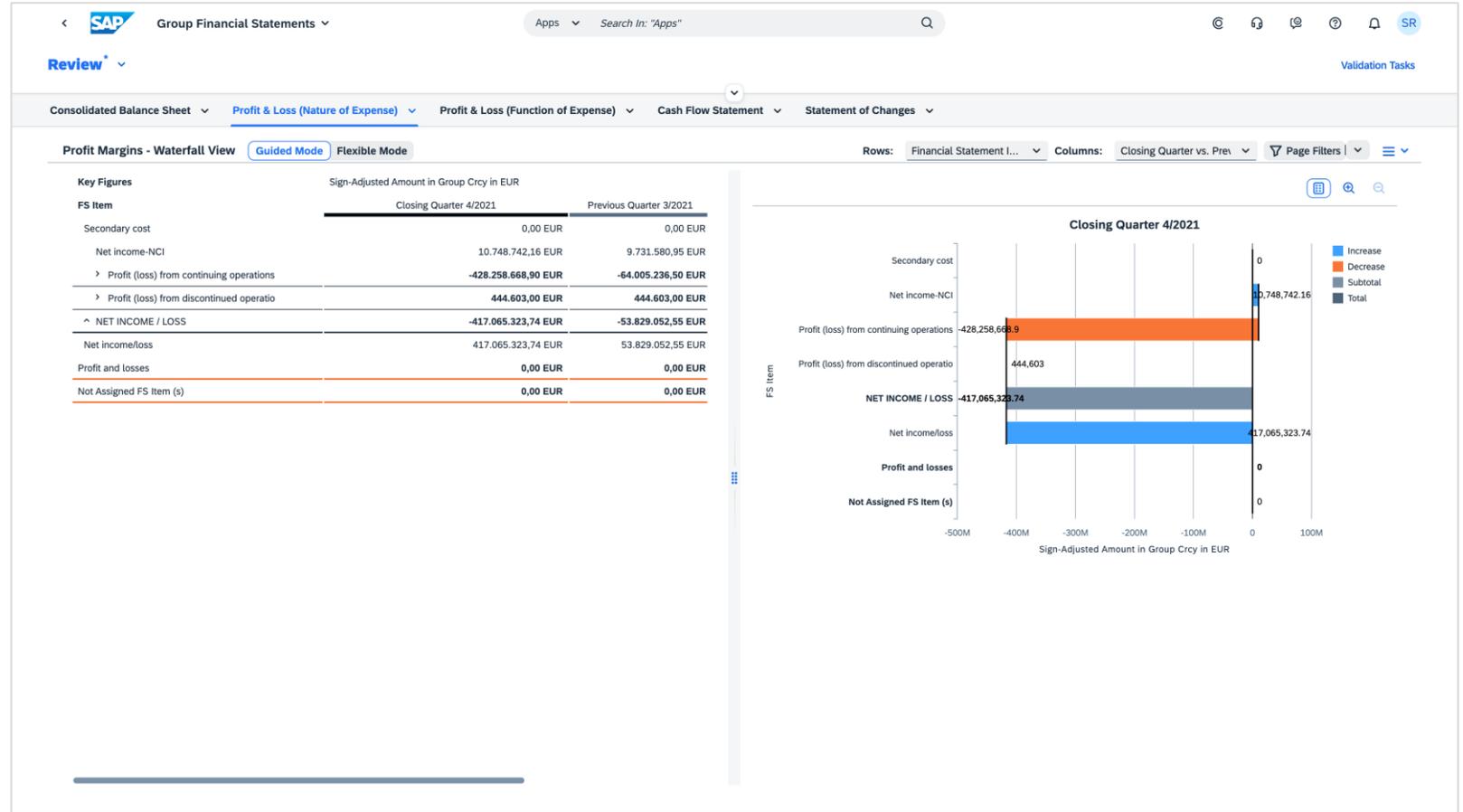
Search Manage External Credit Information



SAP HANA and Real-time Analytics

Review Booklet reporting format

- Group accountants need to monitor and validate multiple aspects of the financial statements during the closing process.
- Review booklets provide easier access to the data needed
- The **guided mode** with predefined pages is useful for the infrequent user
- The **flexible mode** supports interactive and expert analyses
- This paradigm for reporting is used supports other use cases as well, e.g. profitability analysis





SAP HANA and Real-time Analytics Benefits of an Integrated Approach

- Build a steering model where the profit and loss statement and detailed profitability reporting are sourced from the same document
- Access asset and inventory details without jumping to a separate sub-ledger
- Improve transparency into production and maintenance thanks to additional reporting fields, such as work center and operation, in the journal entry
- Enrich project reports with customer and product details

The image displays three overlapping screenshots of the SAP Analysis tool interface, illustrating the process of building a steering model. The screenshots show the 'Analysis' tool with various data sources and columns available for selection.

The first screenshot shows the 'Analysis' tool with the 'DATA SOURCE' section expanded to show a list of data sources, including 'Trial Balance', 'Measures', 'Account Assgmt No.', 'Account Assignment', 'Account Type', 'Activity', 'Activity Type', 'Altern. G/L Account', 'Asset Value Date', 'Assignment', 'Ast Transaction Type', 'Ast Depreciation Area', 'Billing Type', 'Budget Period', 'Bus. Transac. Type', 'Business Area', 'Business Process', 'Chart of Accounts', 'Clearing Date', 'Clearing Doc. No.', 'Clearing Fisc. Year', 'Company Code', 'Company Code CrCY', 'Completion Indicator', 'Controlling Area', 'Cost Center', 'Cost Object', and 'Country Chart'. The 'Measures' data source is selected.

The second screenshot shows the 'Analysis' tool with the 'DATA SOURCE' section expanded to show a list of data sources, including 'Document Type', 'Elimination PrCtr', 'Equity group', 'Equity type', 'Fiscal Period Date', 'Fiscal Year', 'Fiscal Year Period', 'Fiscal Year Variant', 'Fixed Asset', 'FM Area', 'Functional Area', 'Fund', 'G/L Account', 'Members', 'Attributes', and 'Hierarchies'. The 'G/L Account' data source is selected.

The third screenshot shows the 'Analysis' tool with the 'DATA SOURCE' section expanded to show a list of data sources, including 'PPEI', 'Preced. RefTransact', 'ProfAnalys Product', 'Profit Center', 'Project definition', 'Purchasing Doc. Item', 'Purchasing Document', 'Qty Is Incomplete', 'Recovery Indicator', 'Ref. Doc. Item Group', 'Ref. Transaction', 'Reference Date', 'Sales Order', 'Sales Order Item', 'Sales Organization', 'SD Doc of Inventory', 'SD Item of Inventory', 'Segment', 'Sender Acct Assgmt', 'Sender Cost Center', 'Sender GL Account', 'Sndr AcctAssgmt Type', 'Special G/L', 'Special Stock Type', 'Stock Valuation Type', 'Subnumber', 'Supplier', 'Supplier of Inv.', and 'Tax Code'. The 'Measures' data source is selected.

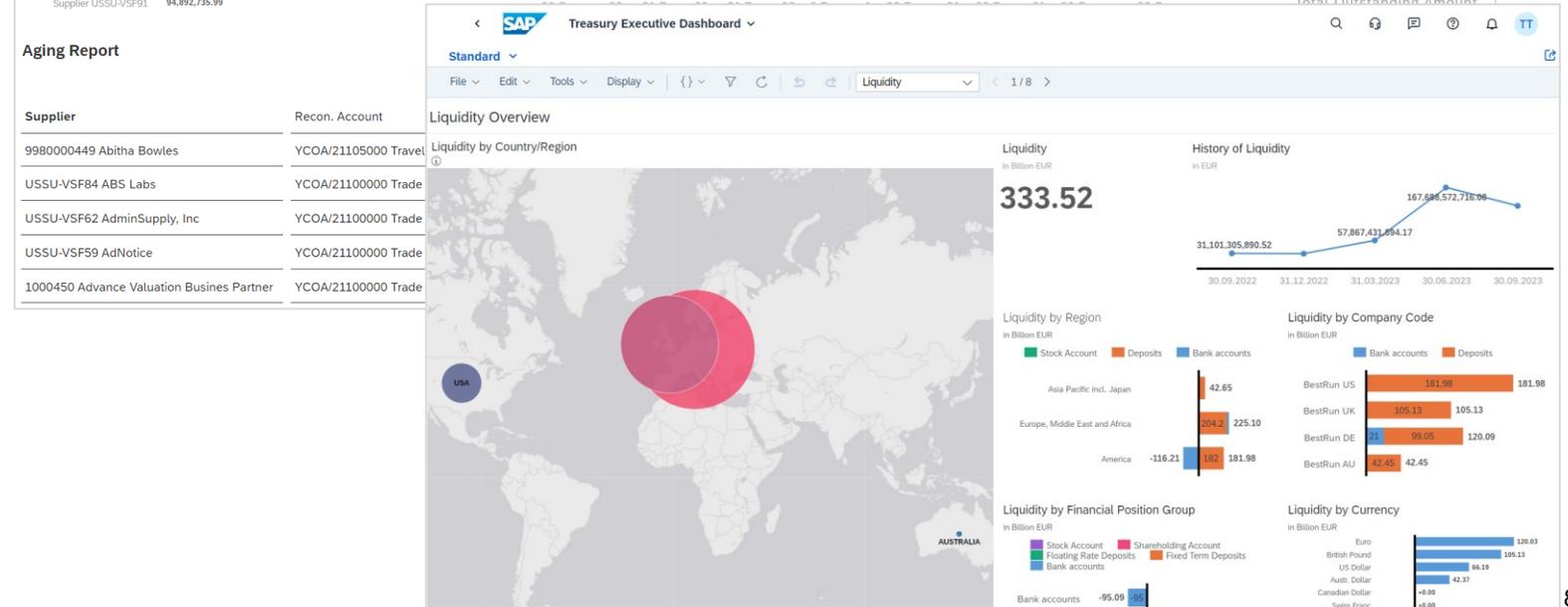
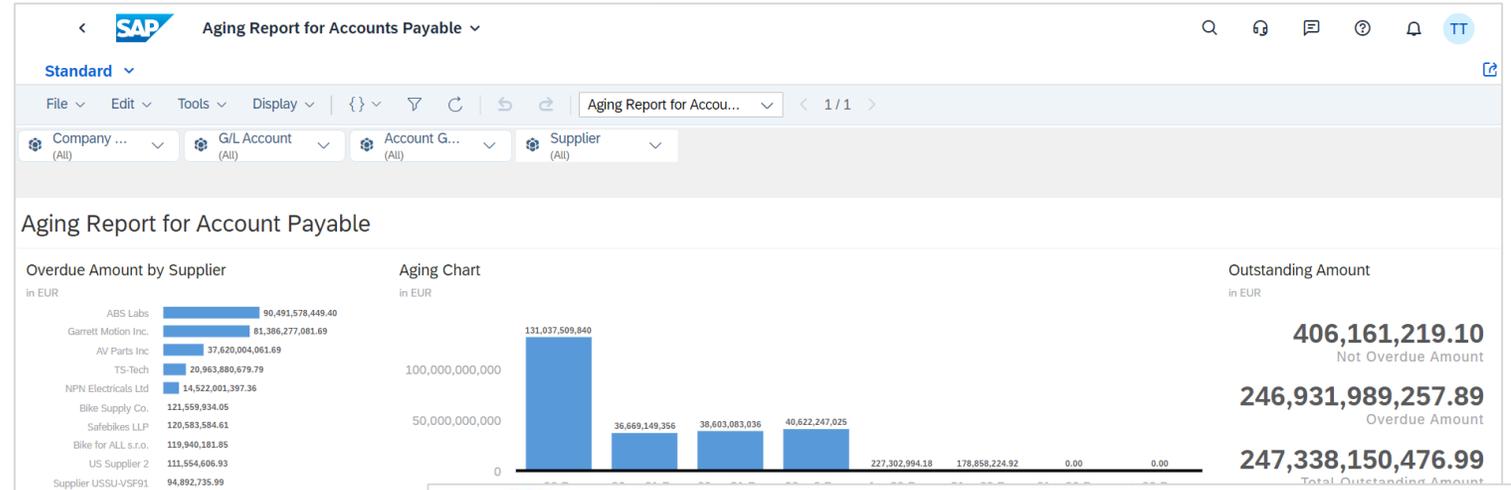
The 'COLUMNS' section in the third screenshot shows the 'Measures' section expanded to show 'Ending Balance'. The 'ROWS' section shows 'G/L Account (FINANCIAL STATEMENT)' with 'All Members Selected'. The 'BACKGROUND FILTER' section is empty.



SAP HANA and Real-time Analytics

SAP Analytics Cloud (SAC) embedded scenarios

- **SAP Analytics Cloud dashboards** support management decisions
- **Ability to create ad-hoc analyses** for rules-based reports with drill-down to specific dimensions
- **SAP Analytics Cloud reporting apps** with live data connection to SAP S/4HANA Cloud without data replication:
 - Group Financial Statement
 - Group Data Analysis
 - Customer Disputes
 - AP Aging
 - and dozens more





SAP Cloud ERP Private differentiators

Data Products and Intelligent Applications



Data products

Explore a range of data products within Business Data Cloud designed to help businesses manage, analyze, and leverage their data.

These products include curated datasets, data integration tools, and analytical applications, all of which aim to enable data-driven decision-making.

[Available data products](#)

 Data Product Package  <p>SAP S/4HANA Financial Operations Data Products</p> <hr/> <p>Data Products for SAP S/4HANA Financial Operations</p> <p> 11 Data Products</p>	 Data Product Package  <p>SAP S/4HANA Group Reporting Data Products</p> <hr/> <p>Data Products for SAP S/4HANA Group Reporting</p> <p> 35 Data Products</p>	 Data Product Package  <p>SAP S/4HANA Accounting and Financial Close Data Products</p> <hr/> <p>Data Products for SAP S/4HANA Accounting and Financial Close</p> <p> 29 Data Products</p>
 Data Product Package  <p>SAP S/4HANA Private Cloud Financial Operations Data Products</p> <hr/> <p>Data Products for SAP S/4HANA Private Cloud Financial Operations</p> <p> 7 Data Products</p>	 Data Product Package  <p>SAP S/4HANA Real Estate Data Products</p> <hr/> <p>Data Products for SAP S/4HANA Real Estate</p> <p> 5 Data Products</p>	 Data Product Package  <p>SAP S/4HANA Contract Accounting Data Products</p> <hr/> <p>Data Products for SAP S/4HANA Contract Accounting</p> <p> 2 Data Products</p>



SAP Cloud ERP Private differentiators

SAP Fiori



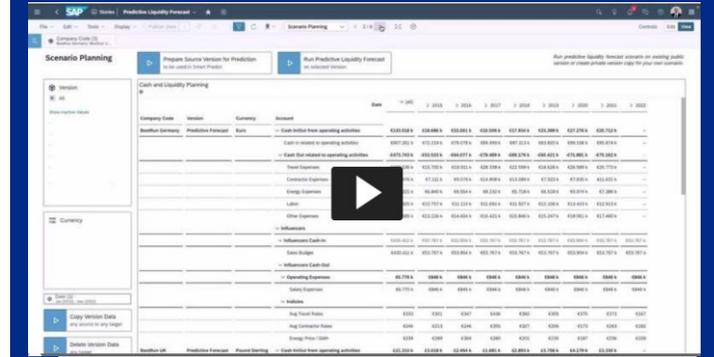
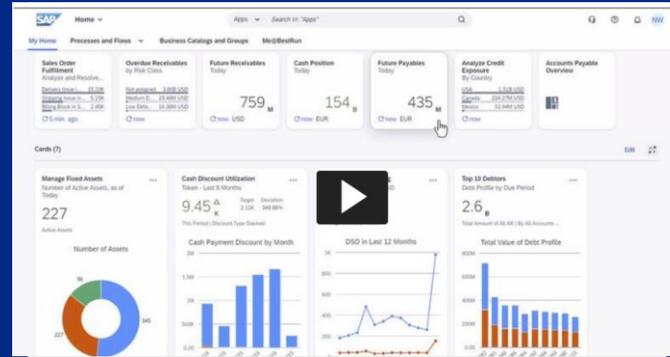
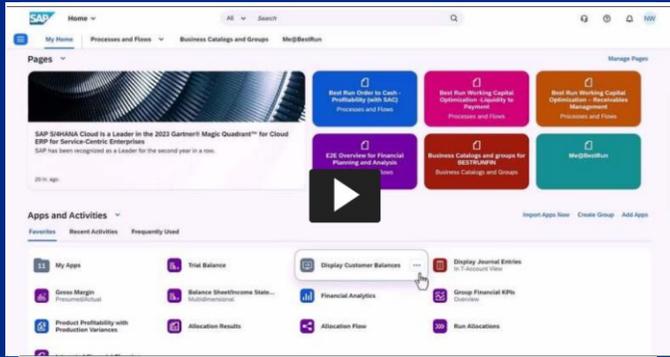
SAP Fiori

A new user paradigm giving Finance a brilliant experience

Intuitive
Collaborative

End to end processes
Total transparency

Predictive planning
Augmented decision making





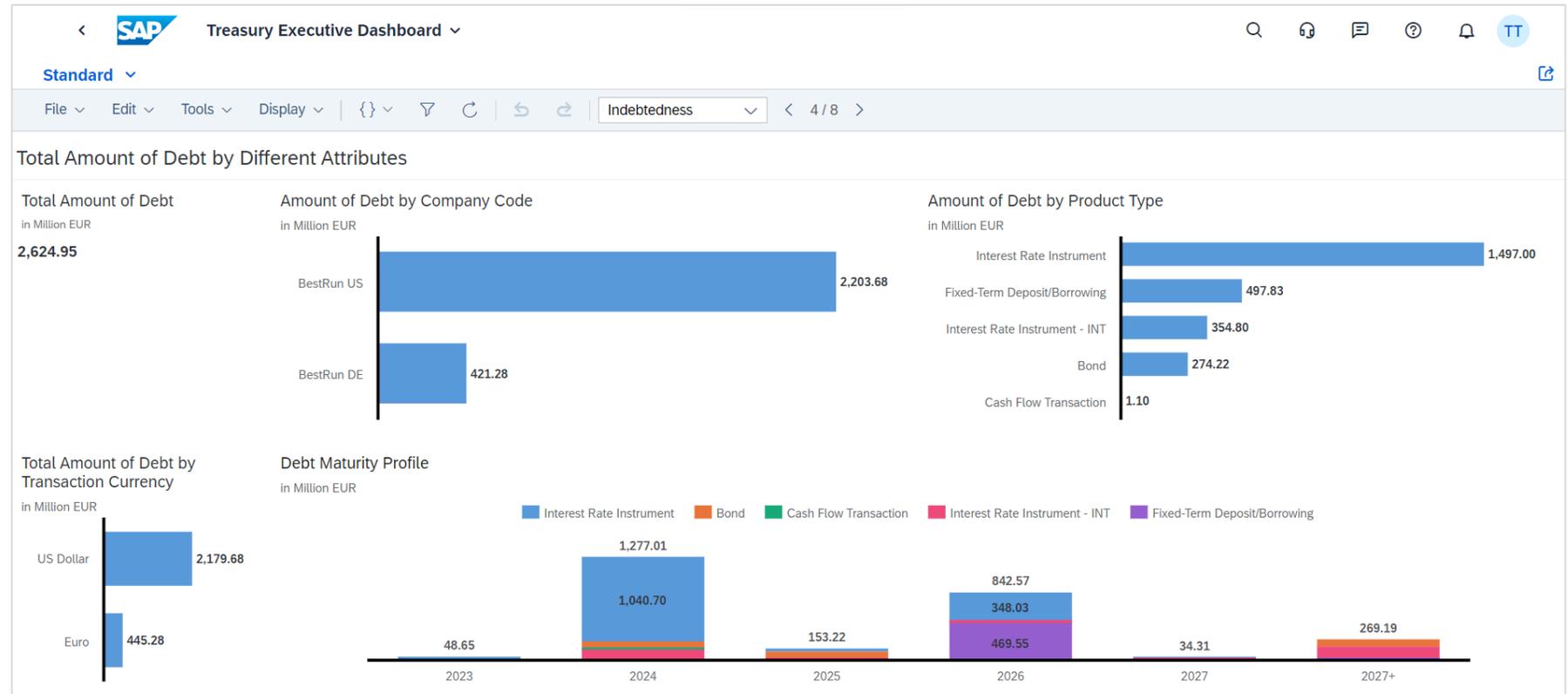
SAP Fiori Lighthouse Apps

Finance has more than a dozen Lighthouse applications – discover more here!



Treasury Executive Dashboard

- Real-time insights into treasury operations
- Includes KPIs on liquidity, cash position, debt volume and structure, counterparty limits, volume of bank guarantees, and market trends
- Live data presented from different areas, such as Cash and Liquidity Management, Treasury and Risk Management, and Financial Accounting





SAP Fiori Lighthouse Apps

Cash Flow Analyzer

- Complete cash flow status reporting
- View aggregated amounts and line item details of cash position, medium and long term liquidity forecast and actual cash flows
- Analyze the cash flows for days, weeks, months, quarters, or years for all bank accounts and liquidity items

SAP Cash Flow Analyzer

Liquidity Forecast

Cash Flows | SG

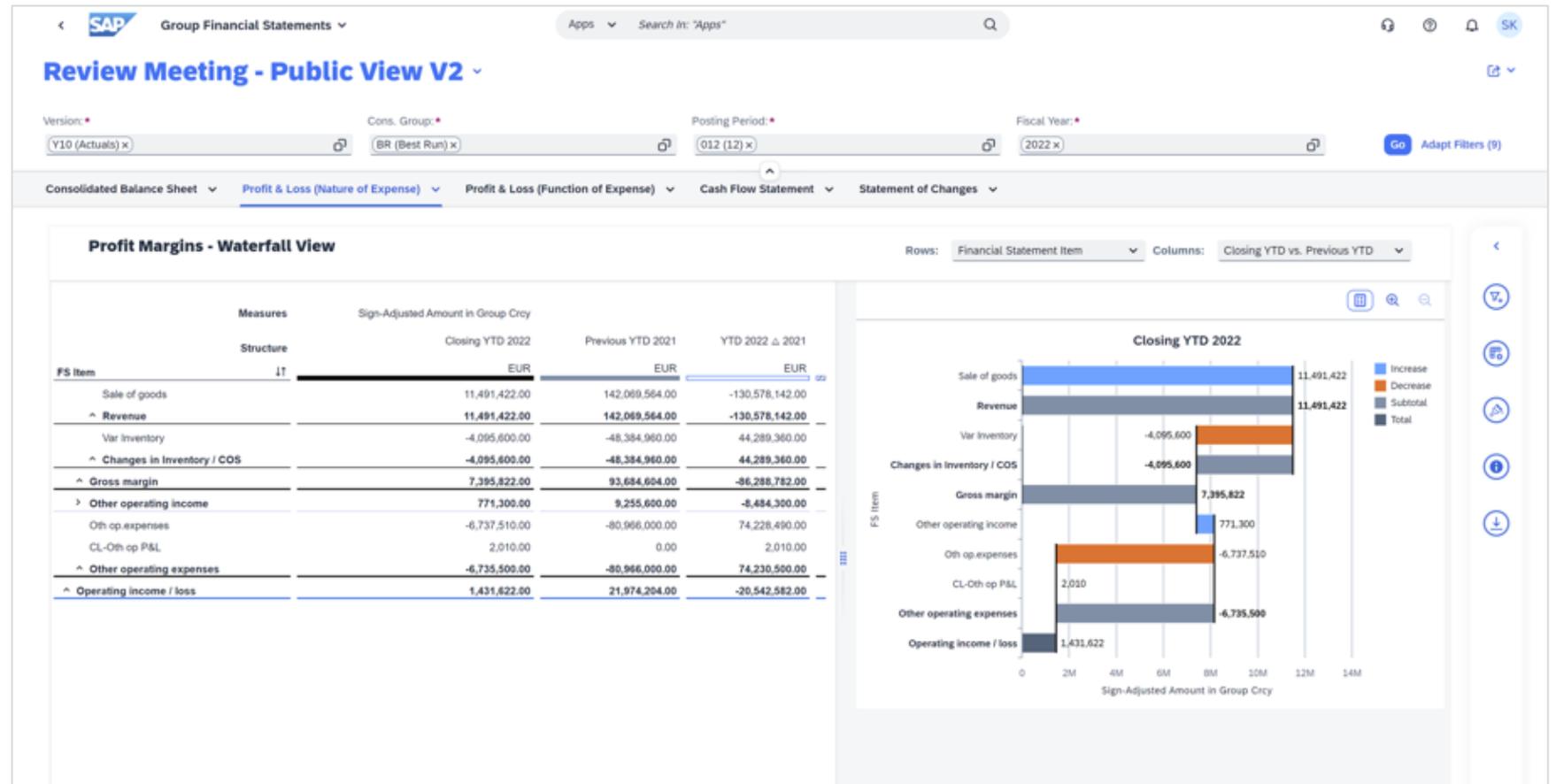
Flow Direction	Planning Level	Planning Level Description	Overdue	21.12.2023	22.12.2023	23.12.2023	24.12.2023
> Currency: AED			9,999.57 AED	9,999.57 AED	9,999.57 AED	9,999.57 AED	9,999.57
> Currency: AUD			-67,689,335,895.15 AUD	-67,923,690,206.88 AUD	-67,923,235,365.24 AUD	-67,922,839,567.24 AUD	-67,921,848,407.10
> Currency: BRL			26,494,400.00 BRL	26,454,400.00 BRL	26,454,400.00 BRL	26,454,400.00 BRL	26,454,400.00
> Currency: CAD			36,046,426.44 CAD	38,937,368.94 CAD	38,937,368.94 CAD	38,937,368.94 CAD	38,937,368.94
> Currency: CHF			-3,185,358.95 CHF	-2,724,358.95 CHF	-2,724,358.95 CHF	-2,724,358.95 CHF	-2,724,358.95
> Currency: EUR			-100,200,230,386.99 EUR	-79,311,453,059.74 EUR	-79,309,355,477.73 EUR	-79,307,167,277.73 EUR	-79,304,936,516.37
> Company Code: 1010 - BestRun DE			-100,402,277,407.33 EUR	-79,784,832,461.82 EUR	-79,782,880,591.82 EUR	-79,781,215,719.82 EUR	-79,779,641,571.82
> Company Code: 1110 - BestRun UK			201,233.00 EUR	-636,300.00 EUR	-664,125.96 EUR	-664,125.96 EUR	-664,125.96
> Company Code: 1710 - BestRun US			-167,381,870.42 EUR	-183,645,912.96 EUR	-183,645,912.96 EUR	-183,645,912.96 EUR	-183,645,912.96
> Company Code: 3010 - BestRun AU			15,127,652.99 EUR	-1,293,629.57 EUR	-1,293,629.57 EUR	-1,293,629.57 EUR	-1,293,629.57
> Company Code: AUC1 - Comp.Code AUC1			-1,226,681.03 EUR	336,772,999.86 EUR	336,772,999.86 EUR	336,772,999.86 EUR	336,772,999.86
> Company Code: DE10 - Company Code DE10			-39,636.00 EUR	14,800.00 EUR	14,800.00 EUR	14,800.00 EUR	14,800.00
> Company Code: DE20 - Company Code DE20			-3,912,629.51 EUR	2,232.49 EUR	2,232.49 EUR	2,232.49 EUR	2,232.49
> Company Code: DEC1 - Comp.Code DEC1			359,603,381.19 EUR	311,594,408.14 EUR	311,767,946.11 EUR	312,291,274.11 EUR	312,947,887.47
> Company Code: UK10 - New Comp.Code UK10			-3,400.00 EUR	0.00 EUR	0.00 EUR	0.00 EUR	0.00
> Company Code: US10 - Company Code US10			0.00 EUR	-2,000.00 EUR	-2,000.00 EUR	-2,000.00 EUR	-2,000.00
> Company Code: US20 - Company Code US20			-745.00 EUR	-745.00 EUR	-745.00 EUR	-745.00 EUR	-745.00
> Company Code: USC1 - Comp.Code USC1			-296,584.88 EUR	10,597,249.12 EUR	10,597,249.12 EUR	10,597,249.12 EUR	10,597,249.12
> Company Code: UST6 - US Subsidiary 6			-23,700.00 EUR	-23,700.00 EUR	-23,700.00 EUR	-23,700.00 EUR	-23,700.00
> Currency: GBP			-90,978,623,275.54 GBP	-90,978,030,275.50 GBP	-90,978,030,275.50 GBP	-90,978,030,275.50 GBP	-90,978,026,759.50
> Currency: HUF			406,982,000 HUF	406,958,000 HUF	406,958,000 HUF	406,958,000 HUF	406,958,000
> Currency: INR			-65,739,292,720.20 INR	-162,062,241,274.80 INR	-162,062,241,274.80 INR	-162,062,241,274.80 INR	-162,062,241,274.80
> Currency: JPY			580,406,714 JPY	580,366,714 JPY	580,366,714 JPY	580,366,714 JPY	580,366,714



SAP Fiori Lighthouse Apps

Group Reporting Review Booklet

- Guided experience for business users to access key financial statements
- Expert capabilities seamlessly integrated for further analysis
- Booklet paradigm will be extended across financial reporting use cases – profitability, etc.





SAP Fiori Lighthouse Apps

Cost Center Review Booklet

- Display, analyze, and validate cost center data. The app displays information about actual and planned costs and groups several predefined reports under Actuals and Plan/Actuals.
- Empower users by providing a comprehensive tool for cost center analysis and reporting, enhancing data visibility and decision-making.

The screenshot shows the SAP Fiori Cost Center Review Booklet interface. At the top, it displays the SAP logo and the title 'Cost Center Review Booklet'. Below this, there are navigation options for 'Standard' and 'Actuals' (selected), and 'Plan/Actuals'. A filter bar indicates '5 filters active: Ledger, Reporting Date, Company Code, Cost Center Hierarchy, G/L Account Hierarchy'. The main content area is titled 'Year-to-Date Comparison' and includes an 'Active Page Filters 1' button, an 'Auto-Refresh: ON' toggle, and a 'Rows: Cost Center & G/L Account' dropdown. The table below compares reporting year-to-date 2025 data with previous year-to-date 2024 data, showing differences and percentage differences.

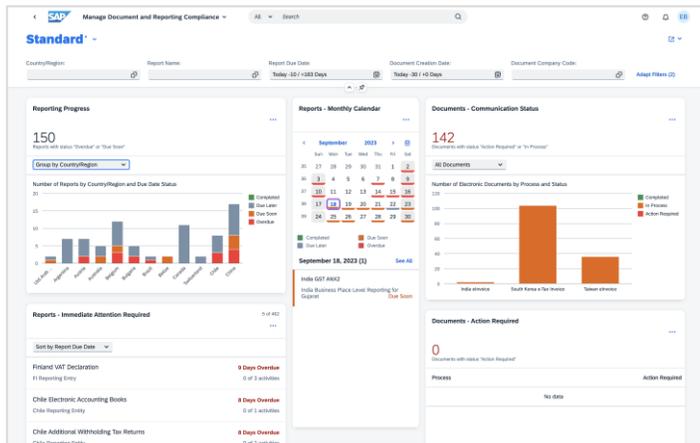
Cost Center	G/L Account	Measures Structure	Amount in Company Code Currency			% Diff.
			Reporting Year-to-Date 2025	Previous Year-to-Date 2024	Diff. RYID 2025 - PYID 2024	
			EUR	EUR	EUR	
Standard Hierarchy	Demo Financial Statement Version DE	01099	-87,198,557.03	21,770.00	-87,220,327.03	
	> Profit and loss statement	03000000	-85,928,186.88	19,720.00	-85,947,906.88	
	> Accounts not assigned	00NOTASSGND	133,737.00	-	133,737.00	
	> Supplement	00BSNOTES	-1,404,107.15	2,050.00	-1,406,157.15	
	> Not Assigned G/L Account (s)	REST_H	-	3,000.00	-3,000.00	
Template Store	Demo Financial Statement Version DE	01099	7,319,863.94	-	7,319,863.94	
	> Profit and loss statement	03000000	7,273,463.94	-	7,273,463.94	
	> Accounts not assigned	00NOTASSGND	49,200.00	-	49,200.00	
	> Supplement	00BSNOTES	-3,000.00	-	-3,000.00	
Demo Store 1	Demo Financial Statement Version DE	01099	6,429.56	-	6,429.56	
	> Profit and loss statement	03000000	4,429.56	-	4,429.56	
	> Supplement	00BSNOTES	2,000.00	-	2,000.00	
Demo Store 2	Demo Financial Statement Version DE	01099	1,000.00	-	1,000.00	
	> Supplement	00BSNOTES	1,000.00	-	1,000.00	
Demo Store 3	Demo Financial Statement Version DE	01099	120.00	-	120.00	
	> Profit and loss statement	03000000	120.00	-	120.00	
Demo Store 4	Demo Financial Statement Version DE	01099	3,000.00	-	3,000.00	



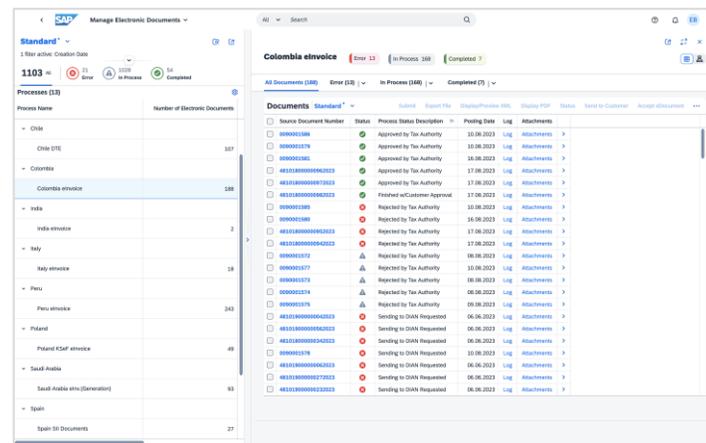
SAP Fiori Lighthouse Apps

Document and Reporting Compliance

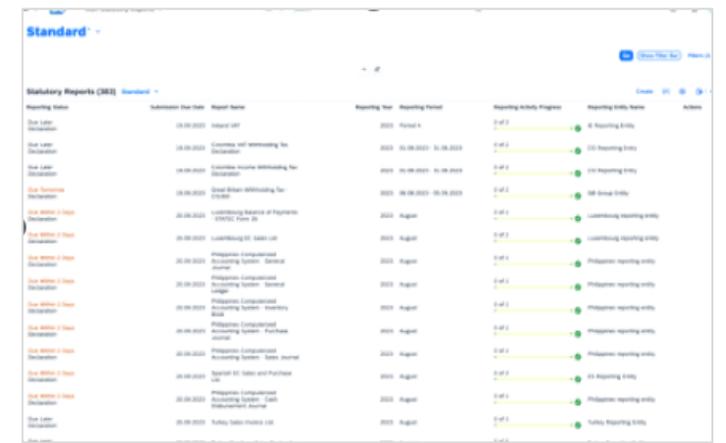
Monitor Latest Compliance Status Worldwide



Manage Electronic Documents and Corrections



Manage Deadlines and Complete Statutory Reports





SAP Cloud ERP Private differentiators

Joule



Joule

[Display account balances](#)

[Display G/L account line items](#)

[Display Document Flow](#)

[Clearing Single G/L Open Item](#)

[Process Invoice Reminders](#)

[Manage Cost Center](#)

[Manage Internal Order](#)

[Manage Journal Entries](#)

[Billing and Revenue Innovation Management](#)

[Cash Management](#)

[Cost Center Budgeting](#)

[Manage Accounts Receivables](#)

[Finance Management Controlling](#)

Request for Subscription ... 6 of 8

Subscription Contracts
Filtered By: Sold-To Party: 1208722

Subscription Contract: 10003790 **Active**

Description: SOM Product

- The contract starts on 01-01-2025 and is an evergreen contract.
- Product: ZLR_SCR_CLOUD_STORAGE
- Sold-To Party: 1208722
- Recurring Net Value: 100...

Subscription Contract: 10003800 **Not Active**

Description: SOM Product

- The contract starts on 26-03-2025 and is an evergreen contract.
- Product: ZLR_SCR_CLOUD_STORAGE
- Sold-To Party: 1208722
- Recurring Net Value: 1600...

Subscription Contract: 10003801 **Not Active**

Description: SOM Product

Message Joule...



Request for Subscription ...

Summarize Subscription Contract 10003790

Summary of Subscription Contract 10003790

The item 10 of the Subscription Contract 10003790 is **Active**. The contract starts on 01-01-2025 and is an evergreen contract. It consists of Product: SOM Product (ID: ZLR_SCR_CLOUD_STORAGE).

- Sold-to Party:** Alpha Ltd. (ID: 1208722)
- Billing cycle:** monthly (ID: 0001)

Price Details

- The Total Contract Value (TCV) is 1200 USD.
- The recurring amount is 100.00 USD monthly.
- Monthly Subscription Fee (PSMB) is 100.00 USD.

Message Joule...



SAP Cloud ERP Private differentiators

Joule Agents



Joule Agent for Accounts Receivables*

The agent enables accountants to significantly reduce the time spent analyzing overdue receivables and completing follow-up tasks

The accounts receivable agent empowers the accountant to analyze open receivables, **identify overdue payments**, receive a summary of analysis and **recommended possible next steps**

Fetch **outstanding balances** and **overdue amounts**, retrieve open invoices, credit memos and provide **history of dunning**

Identify **open disputes** possibly impacting overdue amounts and **recommend next steps** for managing disputed cases

Discovery Center

Today 8:00 AM

Analyze overdue balances for customer GreenWheel Inc., company GW Labs

Analysis

Details	
Customer	C0050 (GreenWheel Inc.)
Company Code	F010 (GW Labs)
Total Outstanding	\$246,293,726.00
Disputed Amount	\$73,888,117.80
Non- Disputed Overdue	\$36,944,058.90
Aging	100% items overdue >1 year
Dunning History	Level 4 (no recent actions)

Dispute Case Status:

- Total Open Disputed Amount: \$73,888,117.80
- Disputed % of Outstanding: ~30% (73M of 246M)
- Two active disputes:
 - \$65.5M → Being processed (Medium Priority)
 - 8.3M\$ → New (Medium Priority)
- Two closed/voided disputes

Analyze overdue balances

Dispute Case Status:

- Total Open Disputed Amount: \$73,888,117.80
- Disputed % of Outstanding: ~30% (73M of 246M)
- Two active disputes:
 - \$65.5M → Being processed (Medium Priority)
 - 8.3M\$ → New (Medium Priority)
- Two closed/voided disputes

Dunning History

- Multiple dunning notices issued since 2023.
- Progression up to Dunning Level 4.
- No recent dunning activity recorded.

Show Recommended Actions

Recommended Actions

- Prioritize closure of Dispute 33410 and 33409 (focus first on \$65.5M case).
- Trigger escalation for the \$36.9M — initiate next dunning steps or legal collections if items are >3 years overdue.

Recommend Actions

- Prioritize closure of Dispute 33410 and 33409 (focus first on \$65.5M case).
- Trigger escalation for the \$36.9M — initiate next dunning steps or legal collections if items are >3 years overdue.

Can you explain your recommendations?

Dispute IDs 33410 and 33409

- These two disputes together account for \$73.8M, which is ~30% of the total outstanding.
- Closing high-value disputes has the most significant impact on reducing Days Sales Outstanding (DSO) and financial risk exposure.

Escalate Non-Disputed Overdue (\$36.9M)

- This amount is overdue, not under dispute, and therefore eligible for immediate follow-up.
- No recent dunning actions were found, which means the account may not have been actively followed up on.
- Re-initiating dunning or legal escalation improves the likelihood of recovery and signals urgency to the customer.

Explain recommendations



Joule Agent for Dispute Management*

The Dispute Resolution Agent automates the process of identifying and resolving disputes caused by incorrect invoices.

By efficiently analyzing both invoice details and contractual terms, the agent quickly uncovers **discrepancies, errors, or mismatches**

Proactively suggests the contract accountants **how to proceed** (e.g. with the creation of a Credit Memo to resolve the conflict and ensure financial accuracy)

Build trust and improve vendor relationships with **faster dispute resolution**

4000000171
Invoice amount too high - root cause to be checked

Business Partner:	Dispute Type:	Source Component	Disputed Amount	Remaining Disputed Amount	Total Correction Amount
Peter Miller (1014350)	Incorrect Invoice (A001)	Convergent Invoicing (01)	328,44 EUR	328,44 EUR	0 of 328,44 EUR

Case Overview | Documents | Change History | Attachments | Notes

Basic Data

Case Number: 1715	Contract: CLOUD SERVICE	Company Code: Company Code 1010 (1010)	Additional Information: -	External Reference: -
-------------------	-------------------------	--	---------------------------	-----------------------

Detail Data

Category: Invoice amount too high (0001)	Escalation Reason: Customer Call (01)	Reason: Invoice amount not correct (0091)	Root Cause Code: -	Source Component: Convergent Invoicing (01)
--	---------------------------------------	---	--------------------	---

Administrative Data

Processor: H Paul (1132659)	Person Responsible: H Paul (1132659)	Coordinator: J Green (14373449)	Processing Deadline: 11.04.2025	Planned Close Date: 11.04.2025
-----------------------------	--------------------------------------	---------------------------------	---------------------------------	--------------------------------

Amounts

Disputed Amount: 328,44 EUR	Total Correction Amount: 328,44 EUR	Reversed Amount: 0,00 EUR	Written Off Amount: 0,00 EUR
Remaining Disputed Amount: 328,44 EUR	Total Receivable Amount: 11.495,40 EUR	Credited Amount: 0,00 EUR	New Receivable Amount: 0,00 EUR

Joule Chat Window:

Help me with dispute 4000000171

Overview:
Dispute 4000000171 falls under "Wrong Invoice" with the reason "Invoice amount too high". A note requests verification of the 11496.40 EUR invoice amount: "Please explain the invoice amount of €11496.40 by checking the underlying provider contract details."

Discrepancy Identified:

- The invoice amount of 11496.40 EUR exceeds the owed amount of 11166.96 EUR by 328.44 EUR (including tax).
- This discrepancy violates Section 4.4 of the provider contract: "Fee Changes: The Cloud Services shall be subject to an annual fee increase of 2%, effective on each anniversary of 01.01.2024."

Finding:
The increase of 328,44 EUR (including tax) is too high compared to the contractual basis fee, which rises annually by 2%, starting from 01.01.2025.

I recommend:

- Creating a credit memo for 328,44 EUR (including tax)

Message Joule...

Discovery Center



SAP Cloud ERP Private differentiators

SAP Business AI



Intelligent technologies

Unlock new efficiency with intelligent automation along the Record-to-Report process

-  GR/IR reconciliation
-   Intercompany Matching + Reconciliation process
-  Accrual Collector
-  Depreciation Run
-  General Ledger
-  Contract and Lease Management
- Revenue Recognition IFRS 15
- Disclosure Management



-  General Ledger Upload
-  Lock/ Unlock Profit Center
-  Group Reporting Data Collection
-  Central Finance

-  Financial Close Summary
-  Closing Monitoring and Orchestration
-  Account Substantiation and Automation
-  Corporate Close

-  Automatic Rules / Workflow
-  Machine Learning
-  RPA



Intelligent technologies SAP Business Integrity Screening

SAP Business Integrity Screening helps detect risk-prone 3rd parties, potential fraud and anomalies earlier, to investigate and prevent better:

- Reduction of fraud-related financial losses, compliance failures and other exceptions
- Flexible platform allowing to support multiple scenarios: business partner screening, internal fraud, anti-corruption
- Increased security of transactions in key business processes
- Reduced workload for investigation teams (less false positives)
- Reduced risk exposure on a long term basis

Prepare, design and set up rules



Prepare data, enable rules, define detection strategies and optimize (using calibration)

Investigate



Manage alert workload with efficient evaluation, qualification and remediation of fraud and other anomalies

Detect



Execute mass and real-time detection and screening, and stop suspicious or anomalous business transactions

Analyze performance



Monitor performance through dashboards, reports and KPIs for continuous improvement of detection efficiency



Intelligent technologies

Behavioral insights for contract accounting

This feature helps collection specialists predict and explain payment risks by analyzing historical customer behavior maximize collections and minimize write-offs.

- Analyze historical customer behavior and generate payment risk predictions and explanations.
- Help financial users quickly identify high-risk accounts using predictive insights
- Optimize collection strategies based on customer-specific behavioral patterns
- Reduce outstanding debt by supporting proactive, data-driven decision-making

Explore at-risk customers: pulse tool view

The screenshot displays the SAP 'Explore At-Risk Customers' interface. It features three charts: a donut chart for 'Number of Occurrences by Scenario' (Receivship: 1K, Debtor Analysis: 548, Other: 2K), a bar chart for 'Number of Occurrences by Risk Score Range' (High: 3, Low: 1, Medium: 2), and another bar chart for 'Number of Occurrences by Debt Range' (High: 505, Low: 533). A table lists 'Customers for 'Late Payment' Scenario (533)' with columns for Customer ID and risk score. A detailed view for 'Xyhungwa TeleXyom' shows a risk score of 88/100, predicted on Jun 4, 2024. A warning states: 'This company has a high risk of 'Late Payment''. Top indicators include 'Months Since On-Time Payment_Test' (22, Strong contribution), 'Scaled Debt Amount' (260.392,00 USD, Moderate contribution), and 'Months Since Registration' (0, Moderate contribution). A table on the right shows 'Risk Score Trend' and 'Debt' for multiple entries, with scores ranging from 87 to 89 and debt values of 0,00.

Discovery Center



Intelligent technologies AI-assisted journal upload

Accelerate Period-end Journal Entries with AI-Assisted Journal Upload

- Case categories and sub-categories to categorize posting policies and documents
- Upload the transaction data in an Excel file to create a journal case. The AI-powered journal case processing generates a posting proposal
- Review and validate the generated proposal and proceed with corrections, if required, or posting
- Save time, reduce errors, and improve consistency with your manual journal entry creation process.

Innovation Example: Create travel expense accrual period-end journal entries

SAP Fiori app "Manage Journal Posting Policies"

Posting Policy	Case Category	Case Subcategory	Valid From	Valid To	Policy Status
Accrual Test Policy (58)	Accruals (SAT) (101)	Shuttles (SAT) (101)	01.12.2024	31.12.9999	Active
Demo Journals (51)	Accruals (SAT) (101)	Shuttles (SAT) (101)	01.11.2024	30.11.2024	Active

SAP Fiori app "Manage Journal Upload Cases"

TEST5678
191

Journal Entries (31) Test Excel*

Journal Entry	Posting Date	Company	Journal Entry Type	Document Date	Posting Key	G/L Account	Debit in Transaction Curren...	Credit in Transaction Currency
101990891	31.12.2024	0001 (SAP AG)	SA (G/L Account Document)	31.12.2024	40 (Debit entry)	476000 (Office supplies)	140.000,00 EUR	0,00 EUR
101990891	31.12.2024	0001 (SAP AG)	SA (G/L Account Document)	31.12.2024	40 (Debit entry)	476000 (Office supplies)	50.000,00 EUR	0,00 EUR
101990891	31.12.2024	0001 (SAP AG)	SA (G/L Account Document)	31.12.2024	40 (Debit entry)	476000 (Office supplies)	10.000,00 EUR	0,00 EUR
101990891	31.12.2024	0001 (SAP AG)	SA (G/L Account Document)	31.12.2024	40 (Debit entry)	476000 (Office supplies)	140.000,00 EUR	0,00 EUR
101990891	31.12.2024	0001 (SAP AG)	SA (G/L Account Document)	31.12.2024	50 (Credit entry)	98000 (Accrued income)	0,00 EUR	-340.000,00 EUR

Discovery Center



Intelligent technologies

Enterprise Risk and Compliance: Trade classification with HANA fuzzy search

Trade classification proposals for custom tariff numbers and commodity codes will be assigned to products through a similarity search on existing product classifications using SAP HANA fuzzy search technology.

New Simulation Report to schedule the simulation of trade classification proposals with fuzzy search

New Apps:

Activate Classification Proposals – Commodity Codes

Activate Classification Proposals – Customs Tariff Numbers

Schedule Creation of Trade Classification Attributes – Fuzzy Search

Schedule Creation of Trade Classification Proposals – Fuzzy Search

[Link to documentation](#)

Numbering Scheme: EU Commodity Codes (EU_STA)

Commodity Code: * 910212 Generate Harmonized System Code

Classification From / To: * 4/4/2025 12/31/9999

Official Description: With opto-electronic display only

Concatenated Description: Clocks and watches and parts thereof; Wrist-watches, pocket-watches and other watches, including stop-watches, other than those of heading 91.01; -- With opto-electronic display only

1st Customs Unit: -

2nd Customs Unit: -

1st Unit: Piece (PS)

2nd Unit: **AI Assistant Product Classification**

Remark: EU Commodity Code (EU_STA)

Classify Products

Commodity Codes

AI Assistant Product Classification

EU Commodity Code (EU_STA)

1 The unclassified products and the corresponding proposals are displayed for the current date.

1 Product Information
2 Product Profile

3 Generated Proposals
4 Documentation

3. Analysed Headings

The trade classification agent completed its task. Trade product classifications are proposed based on the generated product profile. Find the result below. Review the generated product classification information the Fitness Wristwatch F11 and select a proposal.

Heading	Heading Description	Harmonized System Code	Harmonized System Code Description	Justification	Notes
9102	Wrist-watches, pocket-watches and other watches, including stop-watches, other than those of heading 91.01.	9102.12	With opto-electronic display only	GRI 1, 3b, 5b, 6	Ch. 91 \$1g, \$3,\$4 Select Proposal
9102	Wrist-watches, pocket-watches and other watches, including stop-watches, other than those of heading 91.01.	9102.19	Other	GRI 1, 3b, 5b, 6	Ch. 91 \$3,\$4
8517	Telephone sets, including smartphones and other telephones for cellular networks or for other wireless networks...More	8517.14	Other telephones for cellular...More	GRI 1, 3b, 5b, 6	Ch. 85 \$3
3926	Other articles of plastics and articles of other materials of headings 39.01 to 39.14.				Ch. 39 \$2v

Summary

HS Code Proposed:
9102.12: Best match due to the product's function as a watch with an opto-electronic display. Wrist-watches, electrically operated, with opto-electronic display only.

Alternative HS Codes Considered:
9102.19: Matches function and material but is too broad compared to 9102. Other wrist-watches, electrically operated.
8517.14: Matches data transmission function but not the primary function as a watch. Other telephones for cellular networks or for other wireless networks.

PUBLIC

104



SAP Cloud ERP Private differentiators

Situation Handling



Intelligent technologies Situation Management

Some examples:

[Mass Activity Exception](#)

[Errors and Warnings in Allocation Runs](#)

[Payment Requires Manual Repair](#)

[GR/IR Deviation Exceeds Threshold](#)

[Invoice Skipped in Payment Advice](#)

Blog series Situations Handling

Situation templates in Finance

SAP Review Bank Accounts

720
2025 Q4 Review

Overall Review Status: 04 (Completed)
Due Date: 12/31/2025
Initiated By: CB9980011454 (Jeffrey Lasecki)
Initiated On/At: 11/17/2025, 12:34:16 PM
Review Title: 2025 Q4 Review

By Date | By Type | By Priority

⚠ Please review the bank accounts that are assigned to you in review request 000000000720. 1 day ago

Bank Accounts (3) Standard

Account Number	Account Description	Bank Key	Bank Country/Region	Account Currency
<input type="checkbox"/> 555000	CORP USD	121000248 (JPMC)	US (USA)	USD (United States Dollar)
Review Status: Completed Reviewed On/At: 11/17/2025, 11:58:55 PM Reviewed By: Jack Smith				
<input type="checkbox"/> 555001	CORP CAD	121000248 (JPMC)	US (USA)	CAD (Canadian Dollar)
Review Status: Completed Reviewed On/At: 11/17/2025, 11:58:55 PM Reviewed By: Jack Smith				
<input type="checkbox"/> 555002	CORP GBP	121000248 (JPMC)	US (USA)	GBP (British Pound)
Review Status: Completed Reviewed On/At: 11/17/2025, 11:58:55 PM Reviewed By: Jack Smith				



New Business Processes and Functionalities

Business Area and Business Capability Overview



New business capabilities in SAP S/4HANA

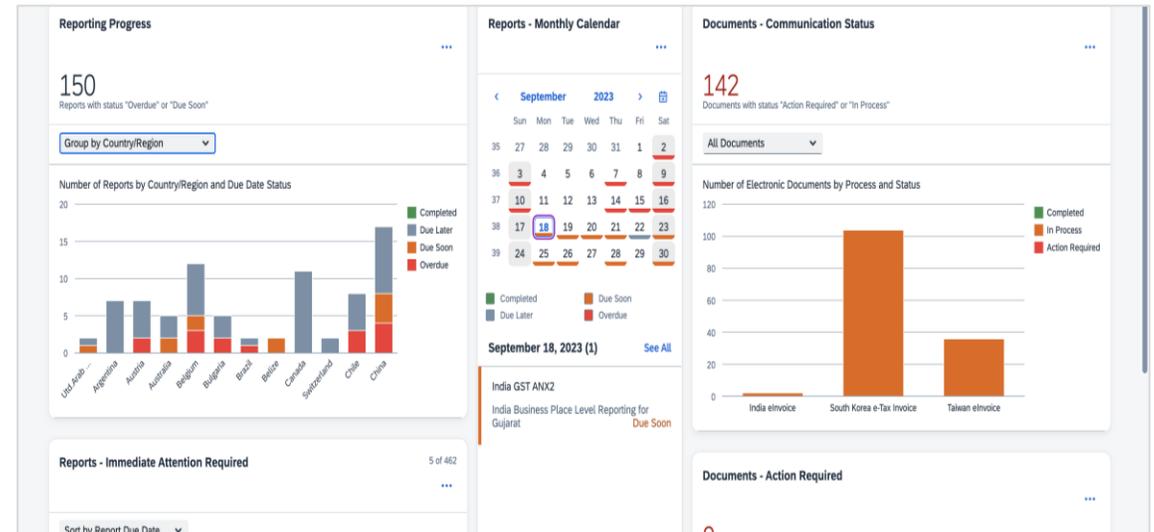


New Business Processes and Functionalities

Document and Reporting Compliance

SAP Document and Reporting Compliance

- Next generation platform to streamline compliance, from e-documents to legal reporting
- Run SAP Document and Reporting Compliance to customers to stay on top of continuously evolving e-invoicing and statutory reporting mandates driven by digitalization of authorities.
- Leverage a single cloud offering integrated across LoBs to enable the submission / exchange of documents and reports to tax authorities.
- Start with electronic documents and scale to statutory reporting worldwide.
- Additional capabilities with SAP S/4HANA:
 - Automated error notifications and checks to ensure consistency between electronic documents and authorities' portals (automated reconciliation)
 - Standardized statutory reporting, with centralized deadlines and automation of compliance operations



[Link to documentation](#)



New Business Processes and Functionalities

Subscription Order Management

Comprehensive management of the subscription lifecycle with maximum flexibility in monetizing subscriptions, usage, and revenue-sharing models

- Manage product catalogs
- Design and model offers that combine multiple pricing and billing options (e.g., recurring, usage, one-time, prepaid, installment)
- Bundle subscriptions with physical products, services, and/or projects as a single offer
- Manage subscription lifecycle, from order capture and fulfillment orchestration to renewals and contract changes
- Support complex multi-sided business models by managing partner agreements and orders
- Gain complete view of order and contract history with detailed audit trail and of trade compliance checks

[Link to documentation](#)

SAP Subscription Contract Item

1503406 Cloud Subscription Storage

SOM_SCR_CLOUD_STORAGE

Contract: 1503406 Contract Value (Estimated): 12.113,27 USD Item Value (Estimated): 290,00 USD Technically Active: Yes Contract State: Current

Document: 6000462001 Item Number: 50 Subitem Of: --

Change Contract Fulfillment Status Open In

General Information Prices Price Details Billing Technical Resources Discounts Charges Lock History Change Processes Equipment Partners Dates Durations Status

Contract Dates

Contract Start: 01.01.2021, 00:00:00 End of Contract Term: 01.07.2022, 00:00:00 Partner: Sold-To Party: SOM Green Tree IT (5169) Contract Account: 000005169 (5929)

Contract End: -- Auto-Renewal: No Payer Party: SOM Green Tree IT (5169) Employee Responsible: --

Show More

Prices

Contract Values (Estimated)	Contract Item Values (Estimated)	Recurring Values	Tax Value:
Net Value: 12.113,27 USD	Net Value: 290,00 USD	Net Value: 290,00 USD	52,20 USD
Gross Value: 14.293,66 USD	Gross Value: 342,20 USD	Gross Value: 342,20 USD	Recurring Period: 1 Month
Tax Value: 2.180,39 USD	Tax Value: 52,20 USD		

Price Details

Status	Price Element	Ratio	Price	Quantity	End Value	Reason for Inactivity
Active	Monthly Subscr Fee	--	29,00 USD	1 EA	290,00 USD	
Active	Gross	--	29,00 USD	1 EA	290,00 USD	
Active	Sum Surcharges/Discounts	--	0,00 USD	1 EA	0,00 USD	
Active	Net Value 1	--	29,00 USD	1 EA	290,00 USD	
Active	Tax Jurisdict.Code	6 %	--	--	17,40 USD	
Active	A/R Sales Tax 1	6 %	--	--	17,40 USD	
Active	A/R Sales Tax 2	5 %	--	--	14,50 USD	
Active	A/R Sales Tax 3	4 %	--	--	11,60 USD	
Active	A/R Sales Tax 4	3 %	--	--	8,70 USD	
Active	Rounding Off 1	--	0,00 USD	0--	0,00 USD	

More [10 / 13]



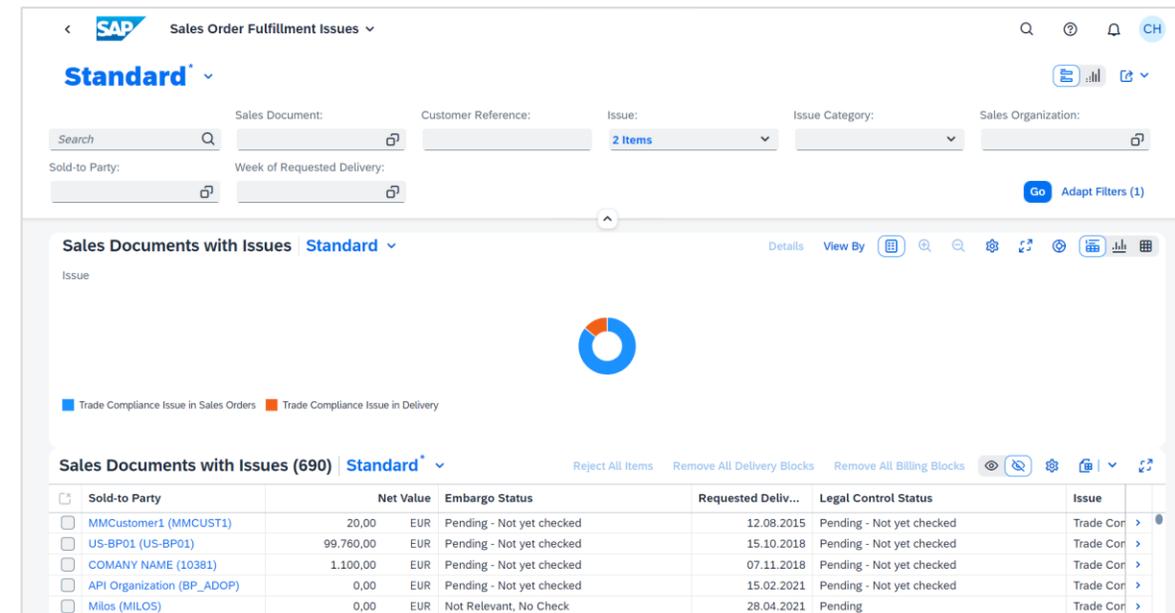
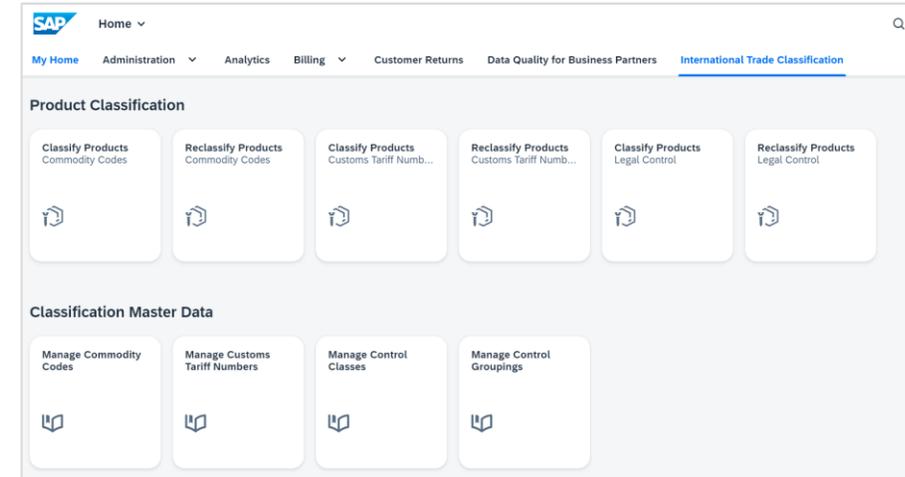
New Business Processes and Functionalities

International Trade Management

Provides customers with the ability to manage basic cross-border trade requirements

- Meet regulatory requirements when exporting goods with Legal control, Embargo and SAP Watch list screening integration
- Apply product level classification necessary to support global trade processes
- Manage order-to-cash statistical reporting requirements (Intrastat) in the EU
- Additional capabilities with SAP S/4HANA:
 - SAP S/4HANA for international trade represents the new solution in S/4HANA and is one of the selected options for delivering foreign-trade functionality.
 - The new functionality replaced the former foreign trade functionality (SAP components: SD-FT and MM-FT) from the SAP S/4HANA Enterprise.

[Link to documentation](#)





New Business Processes and Functionalities

International Trade Management

Management of trade compliance checks for service orders, service quotations, subscription order and solution quote (SAP S/4HANA Cloud, private edition) with SAP Global Trade Services is fully supported by SAP S/4HANA Service

Manage trade compliance checks for service orders and service order quotations (SAP S/4HANA Cloud Private Edition) with SAP Global Trade Services (SAP GTS):

- Prevent service activities with embargoed countries
- Check legal control service processes
- Resolve legal control issues with blocked service documents
- Check business partner addresses in service orders and service order quotations if they are part of a denied party list

The screenshot displays the SAP 'Manage Blocked Documents' interface. At the top, there are three summary charts:

- Number of Blocks by FT Organization:** A donut chart showing 5,530 blocks for IDES US INC, 685 for IDES GB, and 695 for Other.
- Number of Blocks by Legal Rega...:** A horizontal bar chart showing 2 blocks for ITAR, 1 for USHTS, and 1 for USPAL.
- Number of Blocks by Business D...:** A horizontal bar chart showing 4 blocks for Inbound Delivery, 2 for Not Assigned, and 1 for Sales Order.

Below the charts is a table titled 'Items (6,557)'. The table has columns for Document Number, Document Year, Reference Number, Business Document Category, Legal Regula..., FT Organization, Country/Region of Departure Key, and Country/Region of Destination. The first few rows show document numbers 1400000020, 1400000020, 1400000020, 1400000020, 1400000040, 1400000040, 1400000040, 1400000041, 1400000041, 1400000041, 1400000042, 1400000042, 1400000042, 1400000043, 1400000043, 1400000043, 1400000044, 1400000044, 1400000044, 1400000045, 1400000045, 1400000045, 1400000046, 1400000046.

An inset window shows a 'Display Customs Declaration - Export - Manage' screen with various tabs like 'New Products', 'Classification', 'Partners', 'Geography', 'Transportation', 'Packaging Data', 'Documents', 'Legislative Data', 'Books', and 'Status'. It includes fields for Document Number, Date, and various checkboxes.

The text 'Global Trade Services' is visible in the bottom right corner of the screenshot area.



New Business Processes and Functionalities

International Trade Management

Management of trade compliance checks for purchase orders and purchase scheduling agreements (SAP Cloud ERP Private) with SAP Global Trade Services

With this feature, a Trade Compliance specialist can check for each product and partner in the purchase order and the purchase scheduling agreement that all legal requirements regarding Embargo, Sanctioned Party Lists, and Legal Control are fulfilled.

This means that dedicated statuses in purchase order documents and purchase scheduling agreements suppress follow-on processes when documents are blocked.

In addition, statuses are visible in purchase order documents and purchase scheduling agreements.

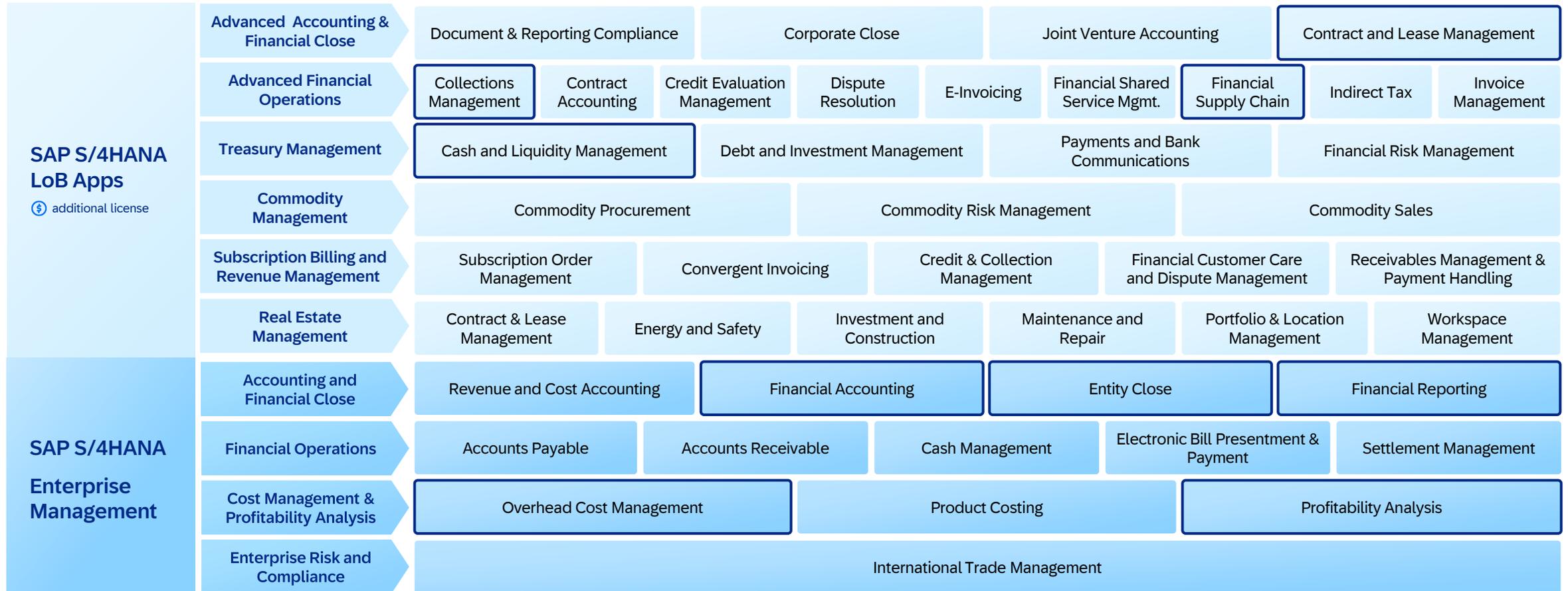
The screenshot shows the SAP interface for a Purchase Order (PO) with ID 4500005448. The 'Supplier Contact Data' tab is active, displaying contact information for the supplier. Below this, the 'Product Compliance' section is highlighted with a red box, showing the following status details:

Product Compliance			
Compliance Status			
Product Compliance Supplier Check Status:	Product Marketability Status:	Dangerous Goods Status:	Safety Data Sheet Status:
Blocked – By Supplier	OK – Not Relevant	OK – Not Relevant	OK – Not Relevant



Updated Business Processes and Functionalities

Business Area and Business Capability Overview



Updated business capabilities in SAP S/4HANA



Updated Business Processes and Functionalities

Financial Reporting | Contract and Lease Management

Next generation platform for legal reporting: SAP S/4HANA solutions overview supporting IFRS compliance

SAP Revenue Accounting & Reporting

SAP S/4HANA Contract and Lease Management



- **Automate** and simplify revenue accounting
- **Assist** adoption of accounting regulations, especially in countries adhering to US GAAP (ASC 606) & IFRS 15
- **Accelerate** period-end closing
- **Embedded** analytics for better insights into profitability and revenue analysis*
- **Built-in** tools to enable integration and migration from SAP and non-SAP systems
- **De-coupled** invoicing and revenue recognition

[Link to documentation](#)



- **Support** IFRS16 compliance and support SOX compliance
- **Manage** lease modifications ensuring reassessments are accurately reflected
- **Manage** lease renewals and early terminations, eliminating potential for “evergreen” leases
- **Manage** CPI adjustments
- **Multi-currency** valuations
- **Reclassification** of short-term and long-term liabilities

[Link to documentation](#)



Updated Business Processes and Functionalities

Collections Management

Provide businesses with a single view of outstanding receivables, prioritize tasks lists and customer interactions

- **Strategy-based** and dedicated collectors' worklists for prioritized collection
- **Real-time process integration** into accounting, credit, disputes, billing, cash flow analysis and treasury
- Easy identification of overdue accounts and critical payment behavior trends using **ML based** classification of 'High risk of late payment' per invoice
- **Improved collection efficiency** through holistic customer view, increased transparency with flexible workload assignments and alerts pushed to collectors launchpad (based on situation template)

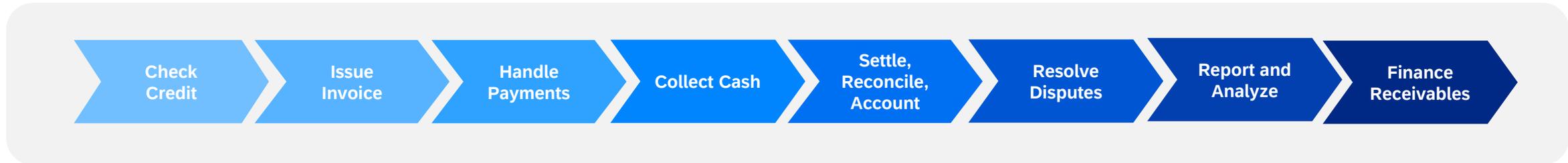
[Link to documentation](#)

The screenshot displays the SAP Supervise Collections Worklist interface. At the top, there are navigation options like 'By Date', 'By Type', and 'By Priority'. Below this, there are three summary cards: 'Amount To Be Collected in DC b...', 'Number of Entries by Status' (showing 767 Open entries), and 'Number of Entries by Collection Special...' (showing 767 Assigned entries). The main section is a table titled 'Collection Worklist Items (767) Standard' with columns for Status, Description, Customer, Customer Name, Collection Specialist, Collection Group, Priority Description, Amount Outstanding, Amount Overdue, Amount To Be Collected, and Arrears. Below the table, there is a detailed view for customer '10100001' (Inlandskunde DE 1), showing account information, credit management, sticky notes, due date grids, and payment trends. A 'Risk of Late Payment' alert is visible, stating: 'We have identified a high risk of the invoice being paid late by more than 30 days. This assessment is based on the following top three contributing factors: • Weekday of Net Due Date • Net Due Date Proximity within the Month • Number of Days Until or Since Net Due Date'. An 'Invoice Items (570) Collection Call Mandatory' table is also shown at the bottom.



Updated Business Processes and Functionalities

Financial Supply Chain



Solution Capabilities

Corresponding Solutions

Customer credit risk assessment



SAP Cloud for credit integration

Online customer billing and payments



SAP Cloud for customer payments

and



SAP Digital Payments

Customer credit, collections,
and dispute management



SAP S/4HANA Cloud for receivables management

Cash application and reconciliation



SAP Multi-Bank Connectivity

and



SAP Cash Application

Receivables finance



SAP Taulia Receivables Finance

[Link to documentation](#)



Updated Business Processes and Functionalities

Cash and Liquidity Management

Bank State Automation

Reduce manual workload and reach for high automation degree for bank statement and lockbox processing with AI-powered cash application and advanced processing rules

- Machine Learning supported, automatic invoice line item clearing or posting on account – faster and with less errors
- Learn from historical clearing data with deep learning and adapt to changing behaviors
- Automated processing rules for bank statement items and lockbox processing by allowing end users to build flexible rules
- Intelligent system suggests rule templates by evaluating historical data and consideration of User defined conditions
- Full integration with SAP Dispute and SAP Collections Management

[Link to documentation](#)

The screenshot shows the 'New Rule' configuration interface for SAP Bank Statement Processing. It includes sections for 'Condition' (6 rules), 'Clear in Sequence', and 'Processing Instructions (2)'. The 'Details' section shows a transaction with a payment amount of 3,980.00 EUR. Below this, the 'Log Details' section displays AI analysis results with green boxes highlighting key terms like 'Fronland', 'CUSTOMERNAME', and 'ACCOUNTINGDOCUMENT'. Green arrows point from these highlighted terms in the log to their corresponding values in the transaction details above.

Automated & intelligent processing rules for bank statement items and lockbox

Explainable AI shows which features influenced the match, making proposals and automate clearings

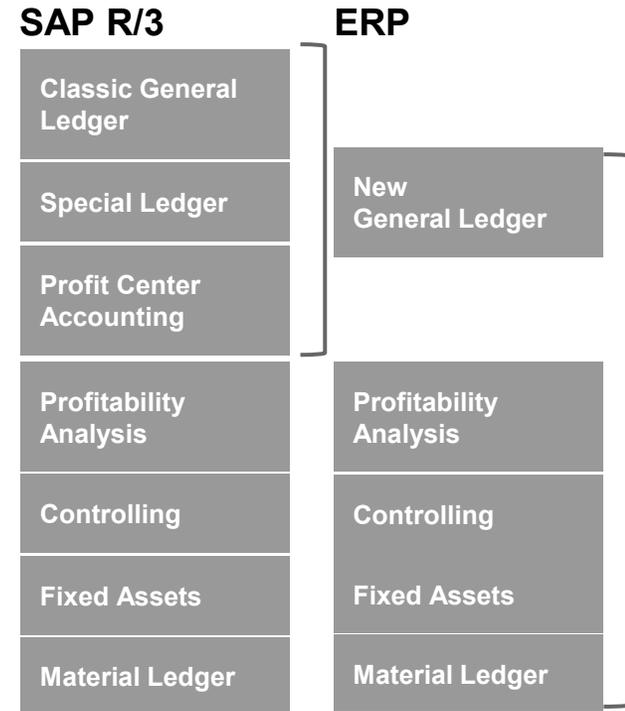


Updated Business Processes and Functionalities

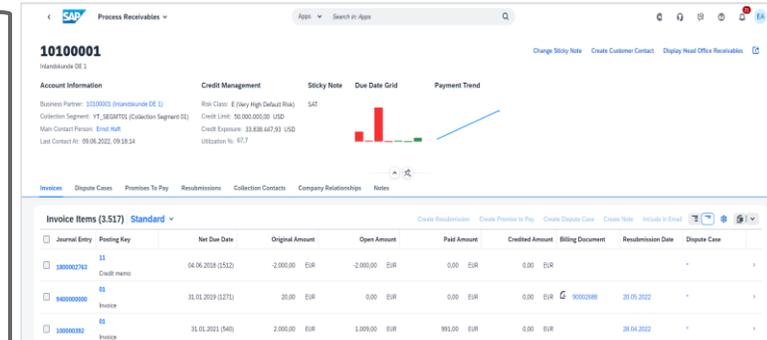
Financial Accounting

Universal journal – the single source of truth

- Concept: take the best of all worlds (e.g. ledger, market segment, coding block, etc.)
- One line item table with full detail for all applications - for instant insight & easy extensibility (entry extension or ACDOCA derived)
- Data stored only once: no more reconciliation needed Reduction of memory footprint through elimination of redundancy
- Fast multi-dimensional reporting without replicating data to BW
- If BW is in place anyway, only one single extractor needed
- Secondary cost elements are now G/L accounts
- Multi-dimensional GL
- Extension ledger to reduce duplication of data for management reporting
- Custom defined fields
- Up to 999,999 line items per document
- Unified, extensible currencies
- Consistent parallel valuation (transfer prices)
- Up to 10 currencies per ledger
- Basic & Advanced Compliance Reporting
- Leverage Semantic Tagging for reporting on flexible hierarchies
- Integrated Planning (ACDOCP)
- Integrated Group Reporting (ACDOCU)
- Predictive Accounting



Finance in SAP S/4HANA Cloud



Process Receivables



Universal Journal - single source of truth



Updated Business Processes and Functionalities

Financial Accounting

Extension Ledger – supporting the management view use case

SAP ERP

Legal Ledger

Management Ledger

- Same legal data (95 %)
- Few adjustments (5%)
- High data redundancy

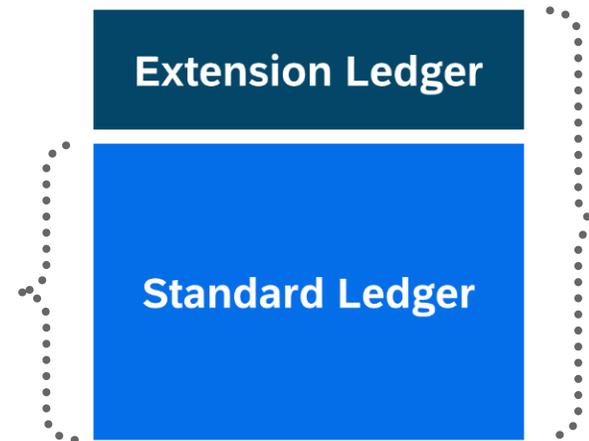


SAP S/4HANA

Standard & Extension Ledger on top

- Separation of management data from legal data
- No data redundancy

Legal Ledger



[Link to documentation](#)



Updated Business Processes and Functionalities

Financial Accounting

Asset Accounting: Business value with new posting logic and new applications

Challenges

Manual, time intensive and error prone reconciliation steps.

Depreciation calculations and posting efforts during close.

Period runs needed to correct and improve financial info.

Aggregated data only, no details available.

Extra persistency in dealing with parallel valuation for both, users and auditors.

[Link to documentation](#)

Asset Accounting Overview in Fiori

Value	Start of Fiscal Year	Change	Posted Value	Due Value
APC Transaction	0.00 EUR	1,000.00 EUR	1,000.00 EUR	0.00 EUR
Total APC	0.00 EUR	1,000.00 EUR	1,000.00 EUR	0.00 EUR
Net Book Value	0.00 EUR	1,000.00 EUR	1,000.00 EUR	0.00 EUR

Capabilities

Reconciliation not required.

Speed-up of depreciation process accelerating Financial Close.

Fully obsolete period runs, real-time improvement of assets available.

Reporting based on line items with every detail available – aggregation in reports on the fly.

Harmonized approach to parallel valuation in the new architecture enables automatic integration, improves currencies, increases transparency and eliminates extra efforts.



Updated Business Processes and Functionalities

Financial Accounting

Unify Operational and Group Reporting: Streamline Financial Consolidation and Close Processes

Data Preparation

- Group close process support
- Flexible currency translation
- Intercompany Matching and Reconciliation

Consolidation

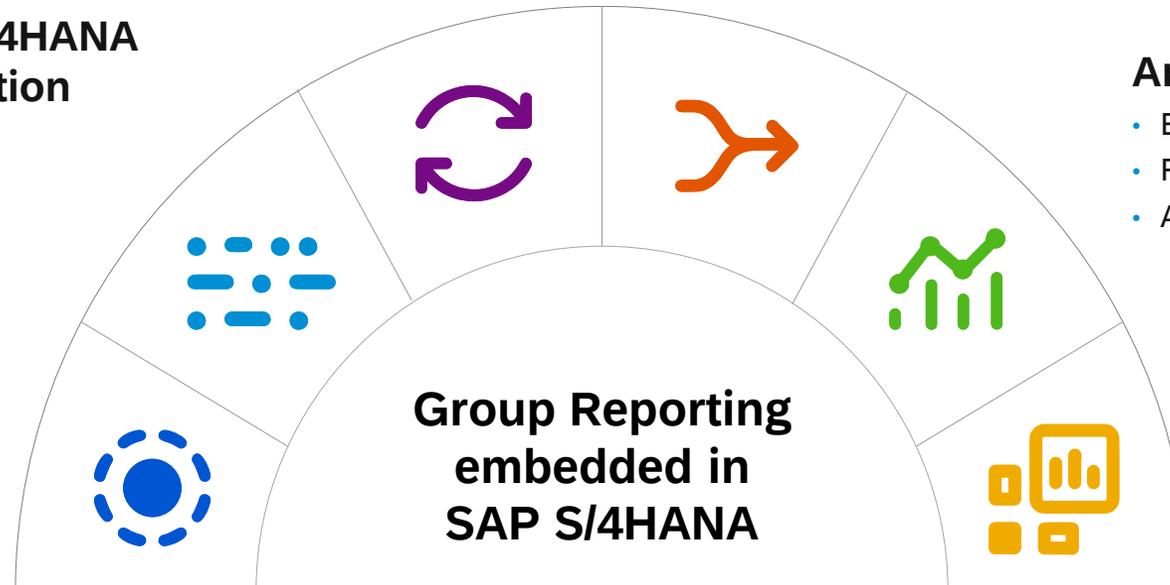
- Intercompany elimination triggered by operational ICMR
- Equity elimination including equity pickup
- Interunit elimination of profit in inventory
- Vertical/horizontal mergers

Non-SAP S/4HANA Data Collection

Group Reporting Data Collection

System Basics

- SAP S/4HANA data without ETL
- Group preparation ledger in accounting
- Customer-specific attributes for financial statement items



Analysis

- Embedded out-of-the-box SAC reporting
- Financial statements review
- Audit trail to underlying transactional data

Reporting

- Integration to Disclosure Management
- Matrix consolidation

[Link to documentation](#)



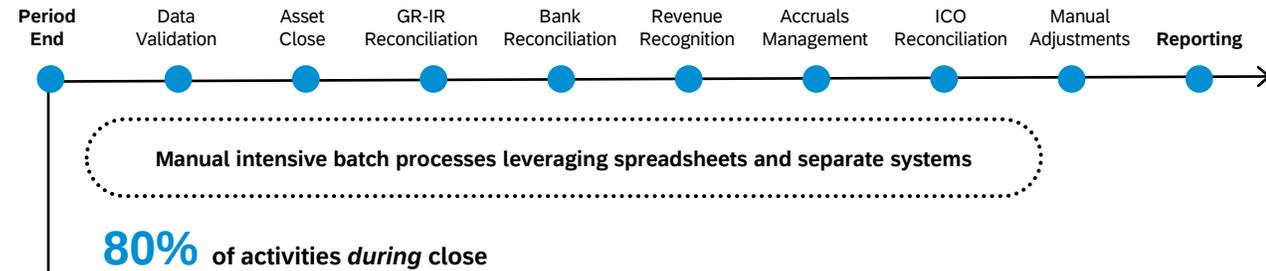
Updated Business Processes and Functionalities

Entity Close

Traditional ERP

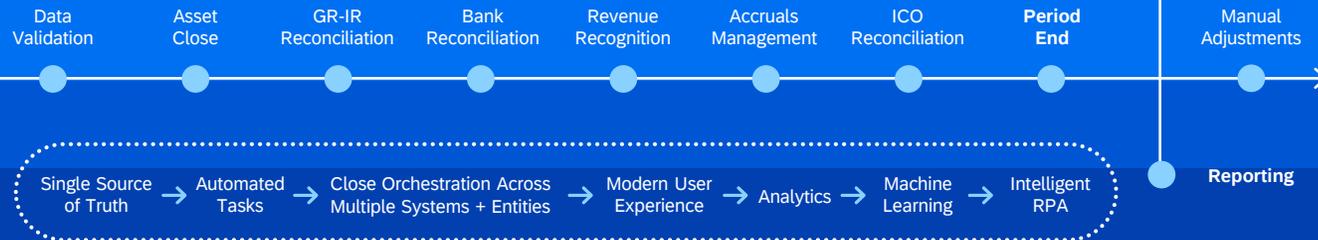
Batch Process Oriented

Delayed close activities do not begin until period end. Monthly closing done for multiple operative entities leads to significant transaction volume at month end and time-intensive posting cycles.



SAP S/4HANA

80% of activities *before* close



Providing Better Business Value

Automate and shorten the legal entity close cycle to achieve speed, quality, and efficiency by running a highly automated, comprehensive close for group entities with increased governance and compliance by standardizing best closing practices.



25-50%* Reduction in days to close annual books by supporting fast, peer-to-peer intercompany reconciliation; automating closing tasks; and increasing user efficiency.

*Benefits are based on early adopters of SAP S/4HANA Cloud or conservative outside-in benefits due to moving from a traditional ERP to enhanced SAP S/4HANA Cloud and complementary LoB capabilities. As each enterprise is at a different level of maturity, our recommendation is to work with SAP to determine the value proposition for your enterprise.



Updated Business Processes and Functionalities

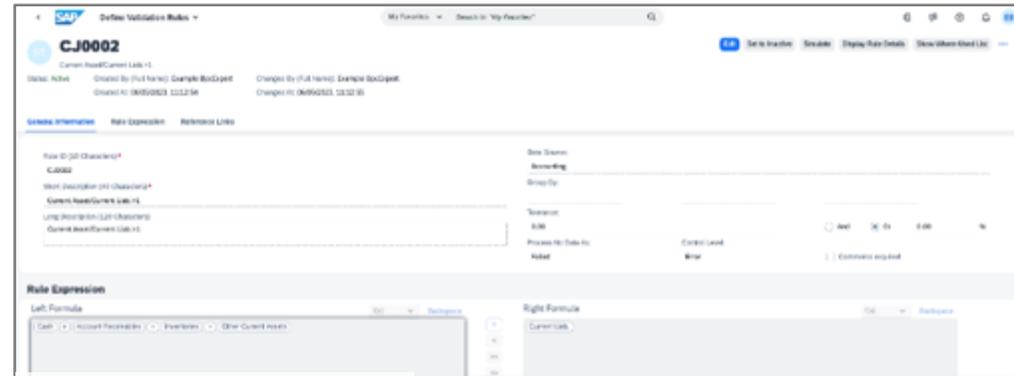
Entity Close

Automated supervision of closing tasks with account balance validation

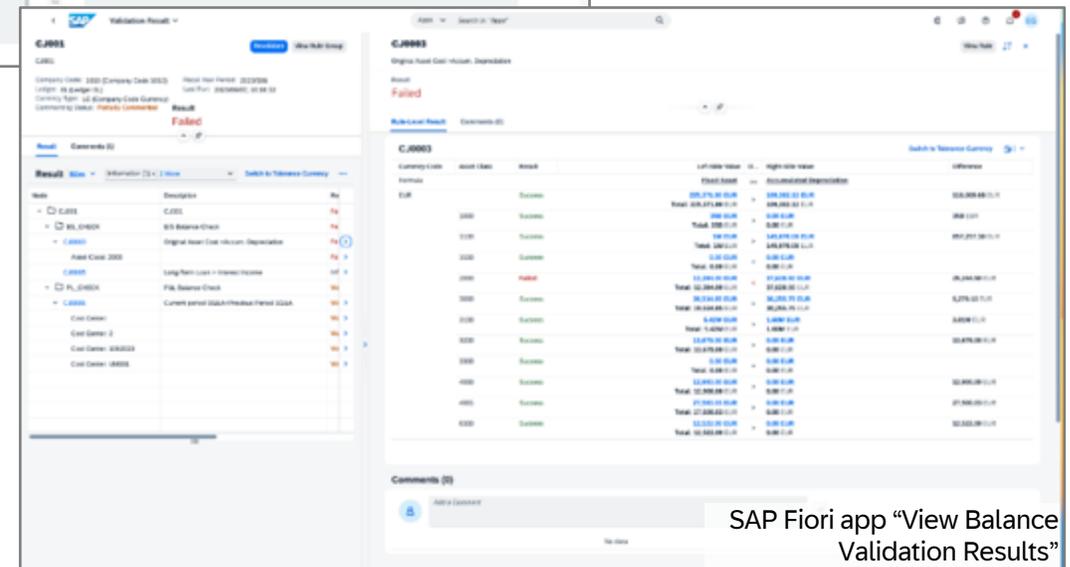
New SAP Fiori apps to maintain and execute financial closing validations such as balance verifications before and after closing tasks, detection of variances between current and previous periods and more.

In addition, these integrate with SAP S/4HANA Cloud Public Edition for Advanced Financial Closing to further automate execution and trigger prompt actions in case of failures:

- Define account balance validation rules.
- Execute validations and analyze results.
- Plan validations as part of entity close, and orchestrate the process based on results.



SAP Fiori app “Manage Balance Validation Rules and Groups”



SAP Fiori app “View Balance Validation Results”



Updated Business Processes and Functionalities

Profitability Analysis and Overhead Cost Management

Universal Parallel Accounting* establishes a parallel value flow across end-to-end processes

Statement of direction	Value proposition	Capabilities
<p>Provide an accounting solution, able to value business processes in parallel and in real time, per required accounting principle and for (group) consolidation purpose.</p> <p>Support of up to 10 currencies throughout different accounting processes thereby eliminating restrictions that used to apply to asset accounting and inventory valuation.</p>	<ul style="list-style-type: none"> • Full audit trails through consistent, parallel information across all ledgers • High degree of automation and accuracy for parallel legal valuations • Benefit from the flexibility of the parallel ledgers not only in general ledger accounting but also in various subledgers • Simplified configuration settings and less manual effort • Basis for future innovations in the area of parallel valuations 	<ul style="list-style-type: none"> • Define material prices by ledger • Capitalization of self-manufactured assets by ledger • Actual cost rate, overheads, settlement and universal allocation are calculated and posted by ledger • Parallel valuation postings and analysis in production accounting for event-based production orders • Perform valuation runs and other closing tasks by ledger, resulting in individually calculated values for financial and management accounting • Display accurate data based on the selected ledger in many Finance apps

[Link to documentation](#)

**Restricted release for approved greenfield SAP S/4HANA customers*

[Introduction to Universal Parallel Accounting](#)



Updated Business Processes and Functionalities

Overhead Cost Management

Universal allocation

Handle multiple accounting principles using ledgers in Controlling*

- Controlling functions supported in the leading ledger and other ledgers
- Ledger-specific handling of activity allocation, cost distribution and allocation, and settlement*
- Allocation tags to improve searches for allocation cycles
- High traceability, transparency and insights on the overhead allocation process
- Proven allocation functionality with improved standardization and the speed of the universal journal

The screenshot displays the SAP Allocation Result interface. The top section shows a table of 'Completed Runs (123) Standard'. The table columns include Run Name, Ledger, Allocation Content, Allocation Type, Start Time, Executed By, Processing Time, Run Type, and Status. Below the table, there is a detailed view of an allocation result for run 'zass012'. This view shows a tree structure of allocation results, including 'US10_ADM (Finance Open Access)', 'US10_ADM (Accounts Payable)', 'US10_ADM (Procuring)', 'US10_ADM (Transport)', 'US10_ADM (Finance Open Access)', '9423000 (HR)', 'US10_HR1 (HR Saling Salary)', 'US10_HR2 (HR GA - Salary)', 'US10_HR3 (HR Saling)', 'US10_HR4 (HR GA - Remuneration)', and 'US10_HR5 (Management and Tool)'. Each node shows the amount allocated to it.

[Link to documentation](#)

*Restricted release for approved greenfield SAP S/4HANA customers

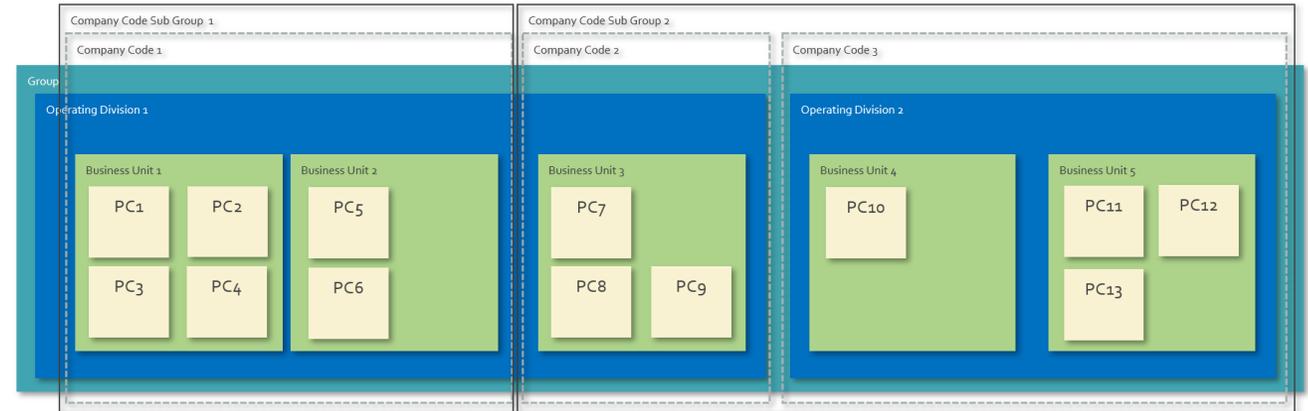


Updated Business Processes and Functionalities

Overhead Cost Management

Segmentation Valuation in universal parallel accounting*

- With Segmentation Valuation, new inventory valuation levels are introduced to systems where UPA is activated.
- For this, segmentation views utilize segmentation units that are defined as extension attributes of profit center master data. Therefore, each segmentation unit forms a group of profit centers.
- Segmentation views offer a flexible definition of new inventory valuation levels in-between group and profit center valuation levels.



- Profit Centre (SAP)
- Business unit
- Company Code(SAP)
- Division
- Controlling Area/ Group (SAP)

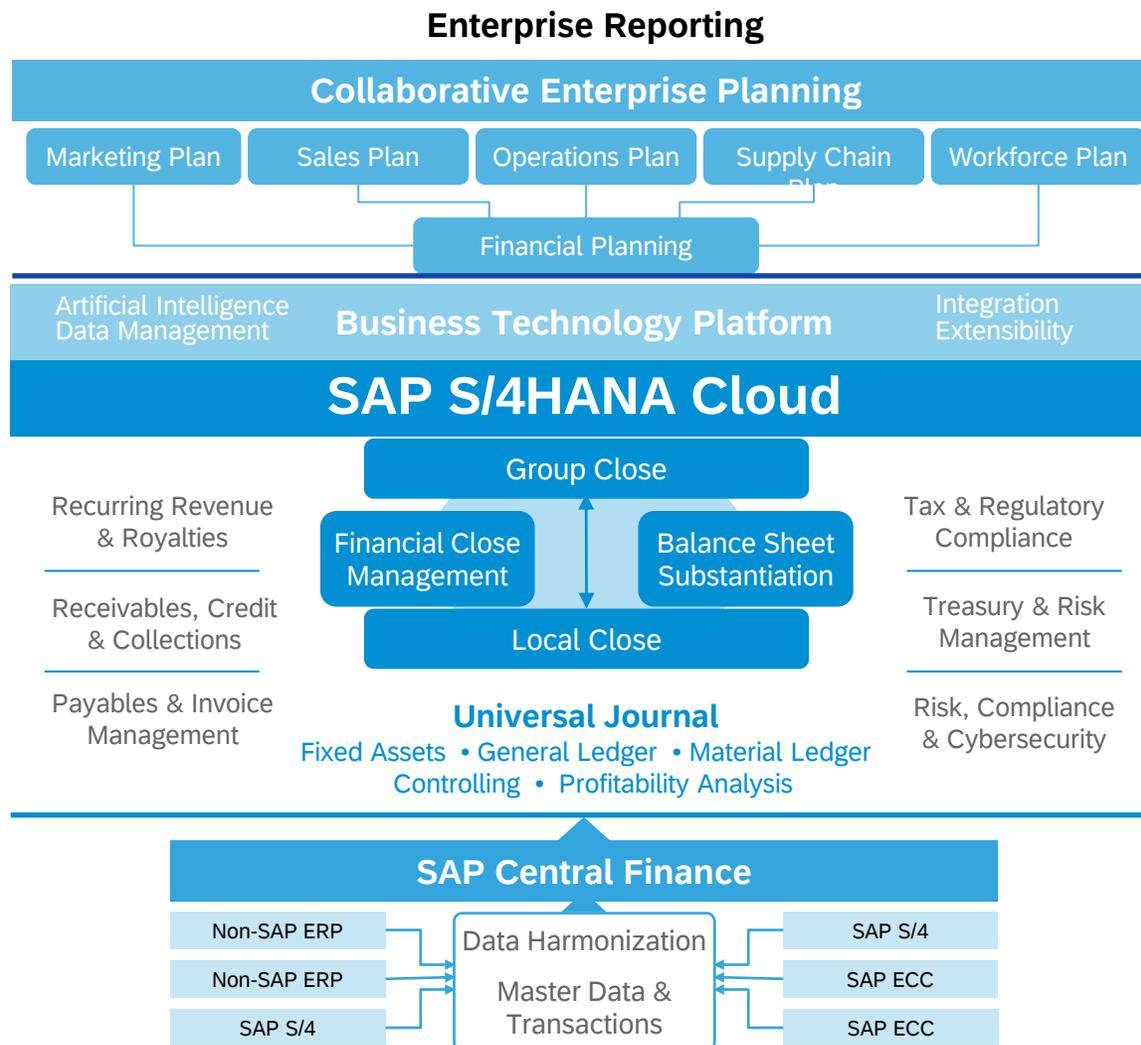
[Link to documentation](#)

**Restricted release for approved greenfield SAP S/4HANA customers*



Out-of-the-Box Integration

Core finance



- SAP S/4HANA
- SAP S/4HANA Cloud
- SAP Analytics Cloud
- SAP BTP
- SAP Signavio
- SAP SuccessFactors
- SAP Ariba
- SAP Fieldglass
- SAP Concur
- 3rd Party / Solution Extensions / Planon, BlackLine & Insight Software



Out-of-the-Box Integration

Central Finance can unlock efficiencies by centralizing financial operations, closing and planning

Key Use Cases:

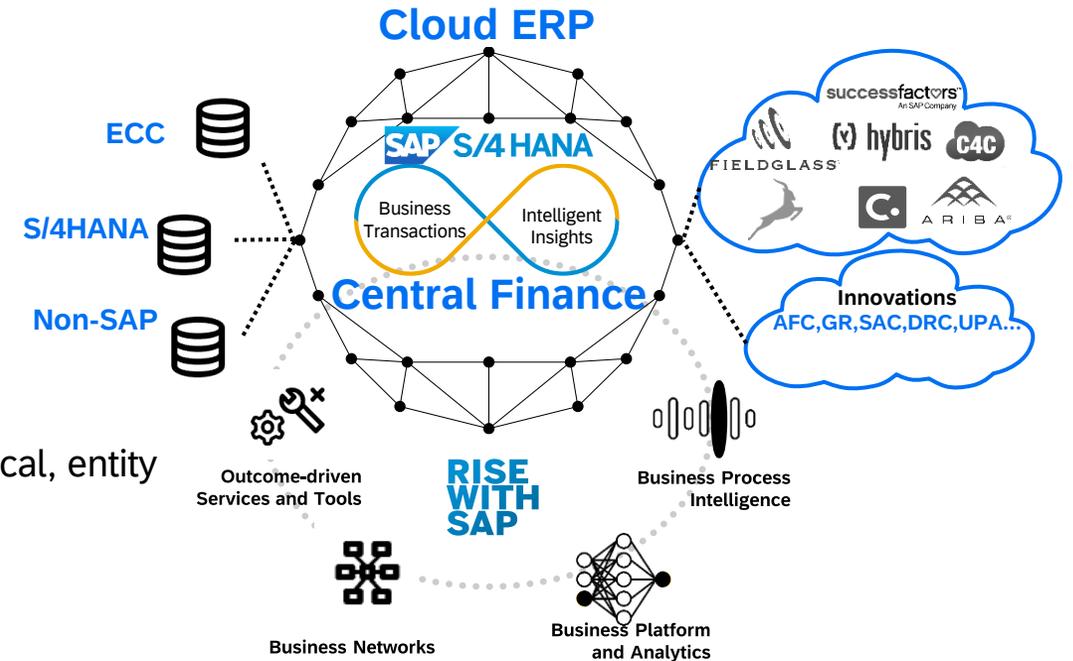
- Business model evolution
- Innovations
- Synchronization
- Simplification
- Consolidation
- Automation

Core Capabilities

- Data Logging
- Historical Data Load
- Real-time Replication
- Business Mapping
- Inbound Postings
- Error correction
- Data Reconciliation

Benefits

- **Transparency** – Single source of truth with harmonized financial data for local, entity and group reporting
- **Efficiency** – Improve process efficiency by integration, standardization and automation of business processes
- **Flexibility** – quickly adapt to changing business environments and M&A, Divestitures...
- **Cost reduction** – by centralizing processes and Shared Services
- **Business Continuity** – Connect your SAP and non-SAP ERP without disruption to S/4
- **Better than BW** – Reconciled transactions on line item level





Out-of-the-Box Integration

Central Finance: Streamlined deviation analysis with Transfer of Plan Data app

Central Finance reporting innovation

Business Background

Using this report you can transfer period-based financial plan data for cost centers / activity types from one (SAP ERP) source system at a time to the Central Finance (SAP S/4HANA Cloud Private Edition or SAP S/4HANA) system. You start the plan data transfer from the Central Finance system, that is, you run the report in the Central Finance system per cost object type, in this case for the combination of cost center and activity type to support real-time deviation analysis for accelerated business steering based on current data

Business Value

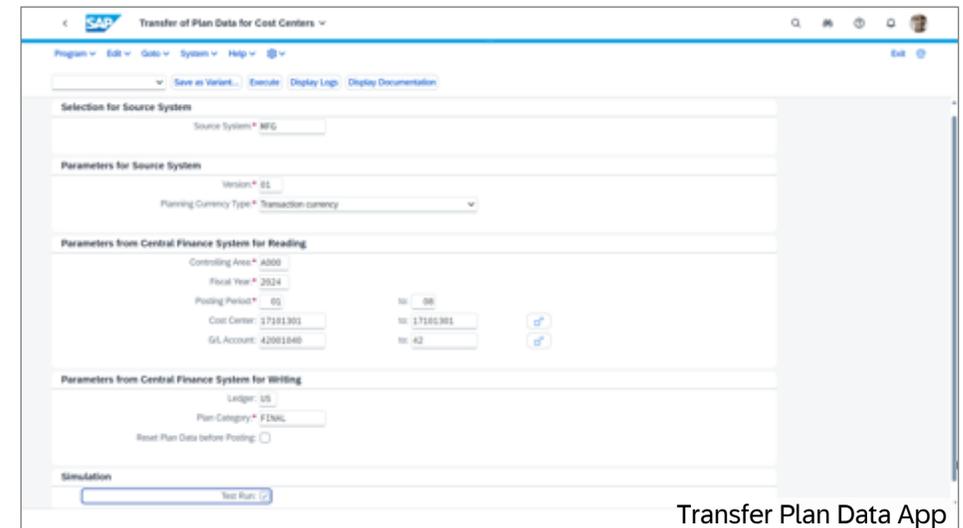
Seamless reporting and deviation analysis in Central Finance system of actual vs. plan data across multiple systems

Motivation/Background

Enabling Plan vs Actual Data Reporting in a Central Finance system

Solution/Feature

- Report to transfer plan data from SAP ECC source systems
- Replication and conversion of object-based plan data (table COSS/COSP to ACDOCP)

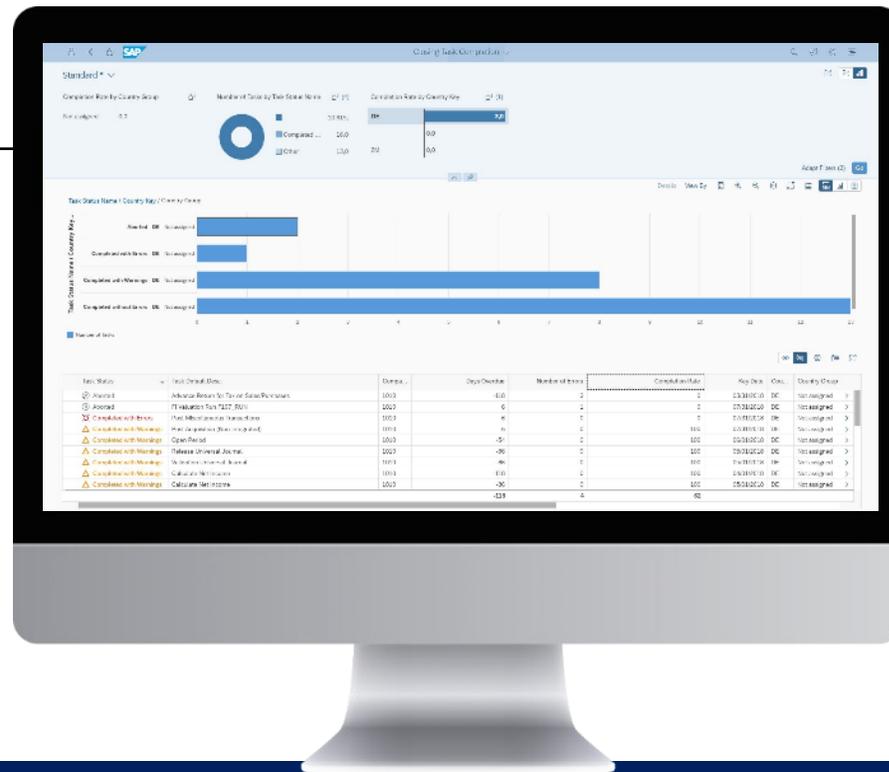




Out-of-the-Box Integration SAP S/4HANA Cloud for Advanced Financial Closing

Benefits

- **Faster Entity Close** through improved closing efficiency
- **Governance and Compliance**
- **Transparency and Insight**



Capabilities

- **Automated closing tasks** and workflow-supported intuitive apps for manual tasks.
- **Collaboration**, notifications, and escalations.
- **Define a global game plan** for the entity close; serialize for multiple org units and closing cycles.
- **Audit trail**, logging, documentation.
- **Comprehensive analytics** for real-time insight into the closing status.
- **Monitoring for subsidiaries** and headquarters.

15-25%

Faster closing cycle – while ensuring high-quality compliant results.

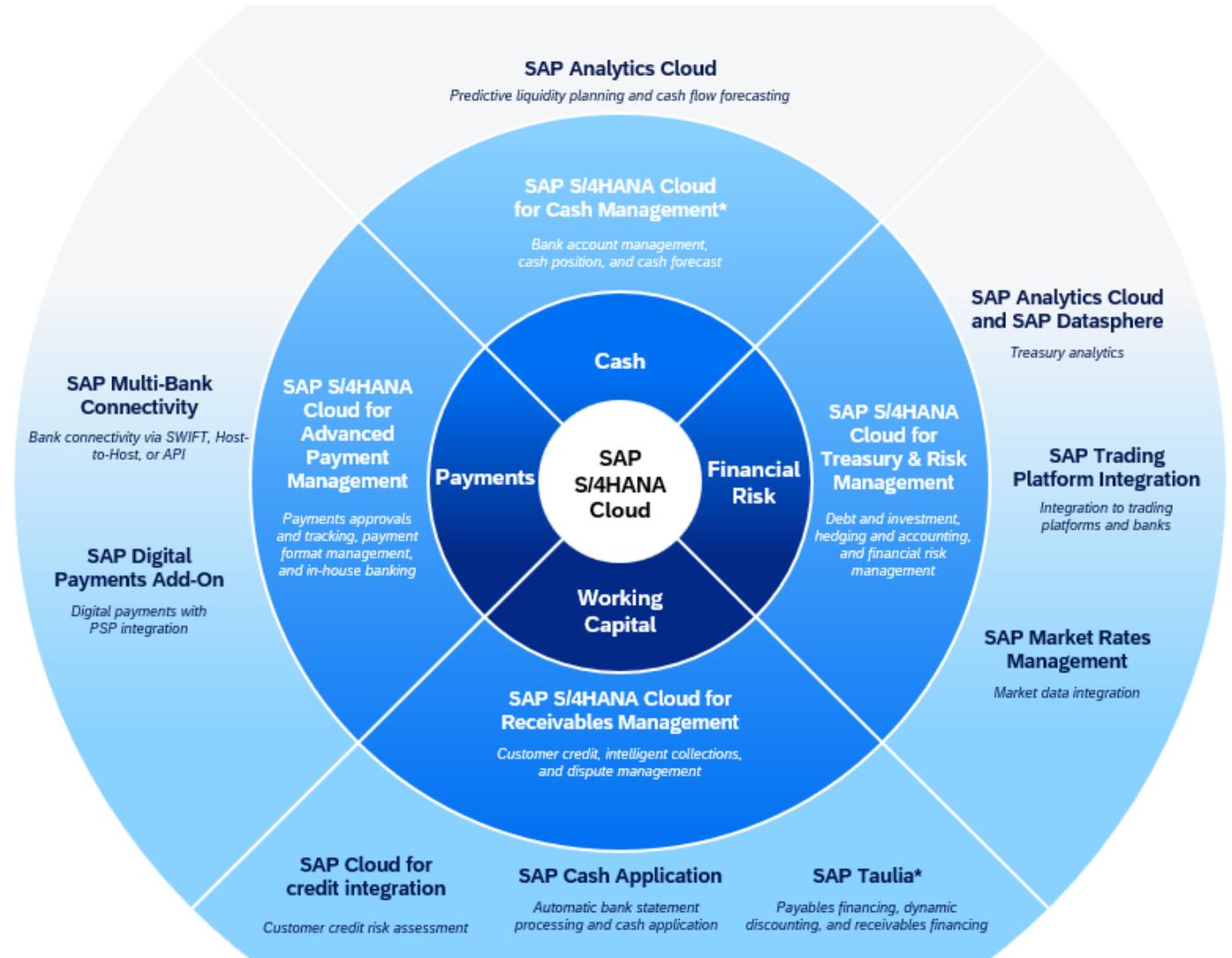
Source: SAP Performance Benchmarking



Out-of-the-Box Integration

Delivering SAP's Broad Portfolio for Treasury and Working Capital

- Treasury pillars**
- Core treasury capabilities and solutions** (additional license required)
- Value-added capabilities and solutions** on SAP Business Technology Platform



* SAP Taulia on its own platform, fully integrated into SAP S/4HANA Cloud



Out-of-the-Box Integration SAP Multi-Bank Connectivity

Different options to connect corporate customers and banks:

SWIFT

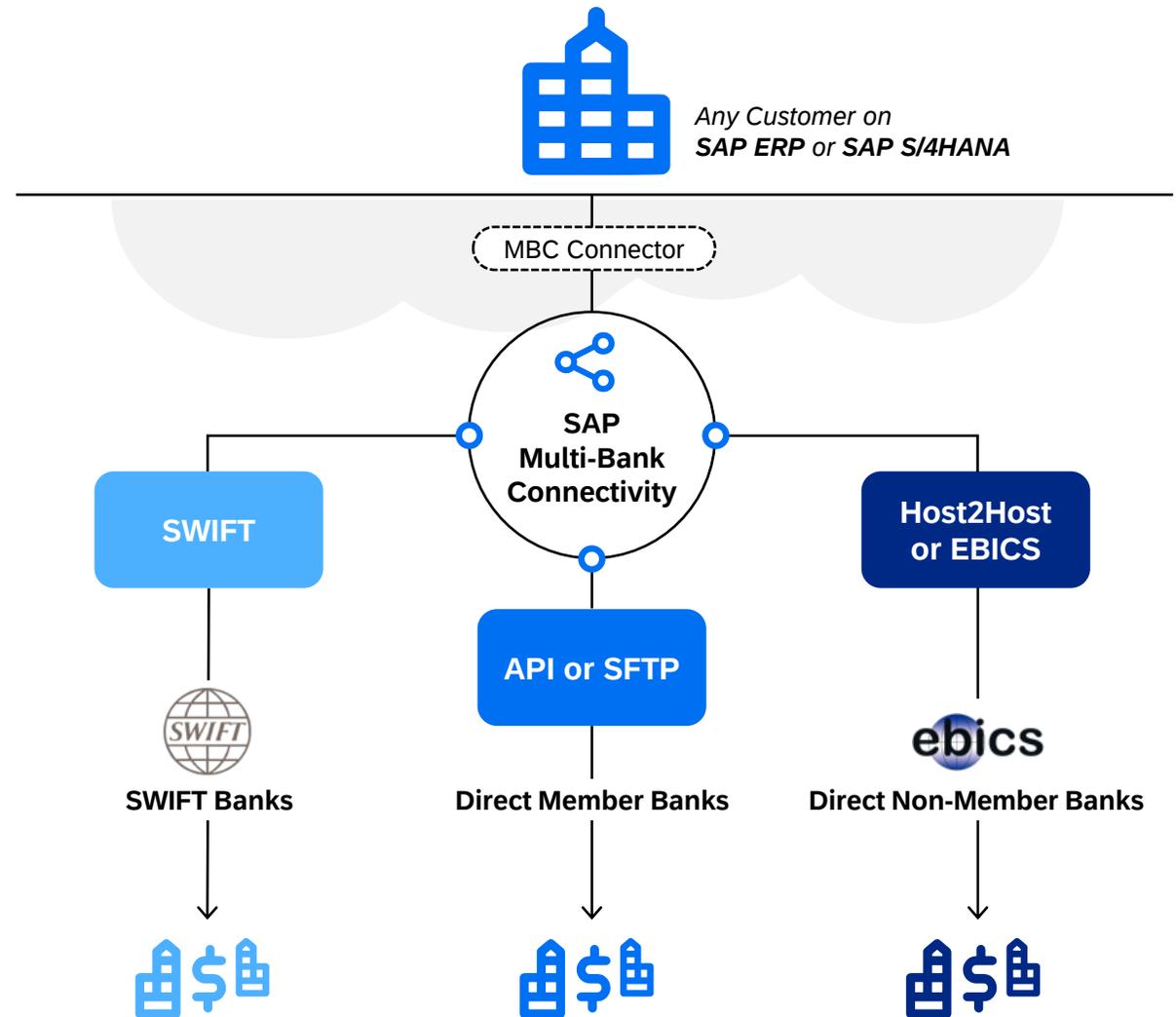
The solution is **fully SWIFT certified** as SWIFT L2BA provider and offers the possibility to connect to the extensive list of SWIFT banks throughout the world.

API or SFTP

Direct Member Banks are connected via a standardized connection using bank APIs or protocols like SFTP.

Host2Host or EBICS

In an instance where a corporate customer requires to have a direct connection to a bank that does not have a contractual agreement with MBC, SAP establishes a **direct connection** between corporate customer and the non-member bank.





Out-of-the-Box Integration

SAP S/4HANA Cloud for Advanced Payment Management / SAP Payment Factory

Solution Capabilities

SAP S/4HANA Finance for advanced payment management allows you to centralize all payment activities of a corporate group:



Complete cash management solution with advanced payment management capabilities.



Fully functional **Advanced Payment Factory** in the cloud.



Payment verification against sanctioned party list.



Automatic notifications for events during payment lifecycle.



Format mapping tools for ISO conversion.

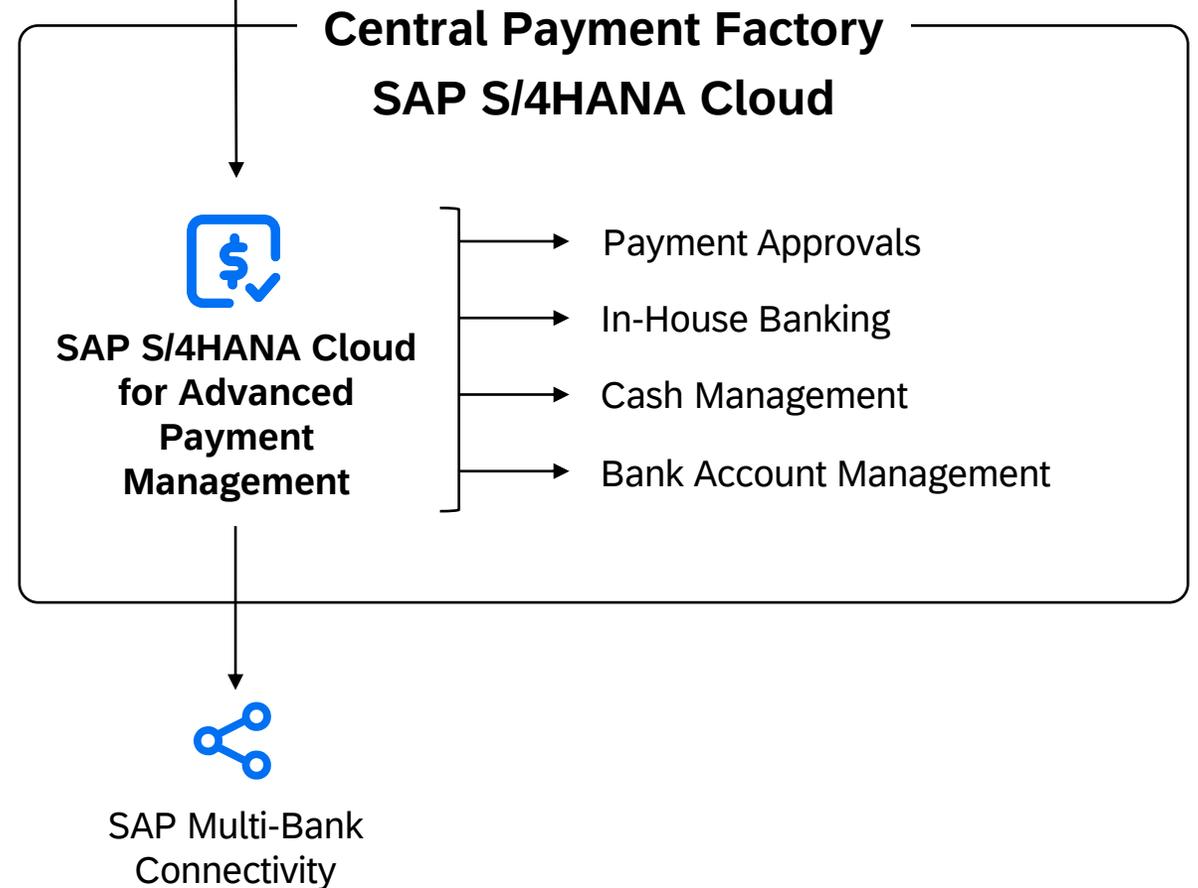


Enablement of various card payment options through **SAP digital payments add-on**.



Automated **corporate-to-bank connectivity** in the cloud.

- SAP S/4HANA
- Business Suite
- Non-SAP





Out-of-the-Box Integration SAP Digital Payment Add-On

Solution Capabilities



Out-of-the-box integration to multiple Payment Service Providers (PSPs) without implementation efforts.



Easy enabling of new payment methods and PSPs.



Tokenization approach avoids costs and risks.



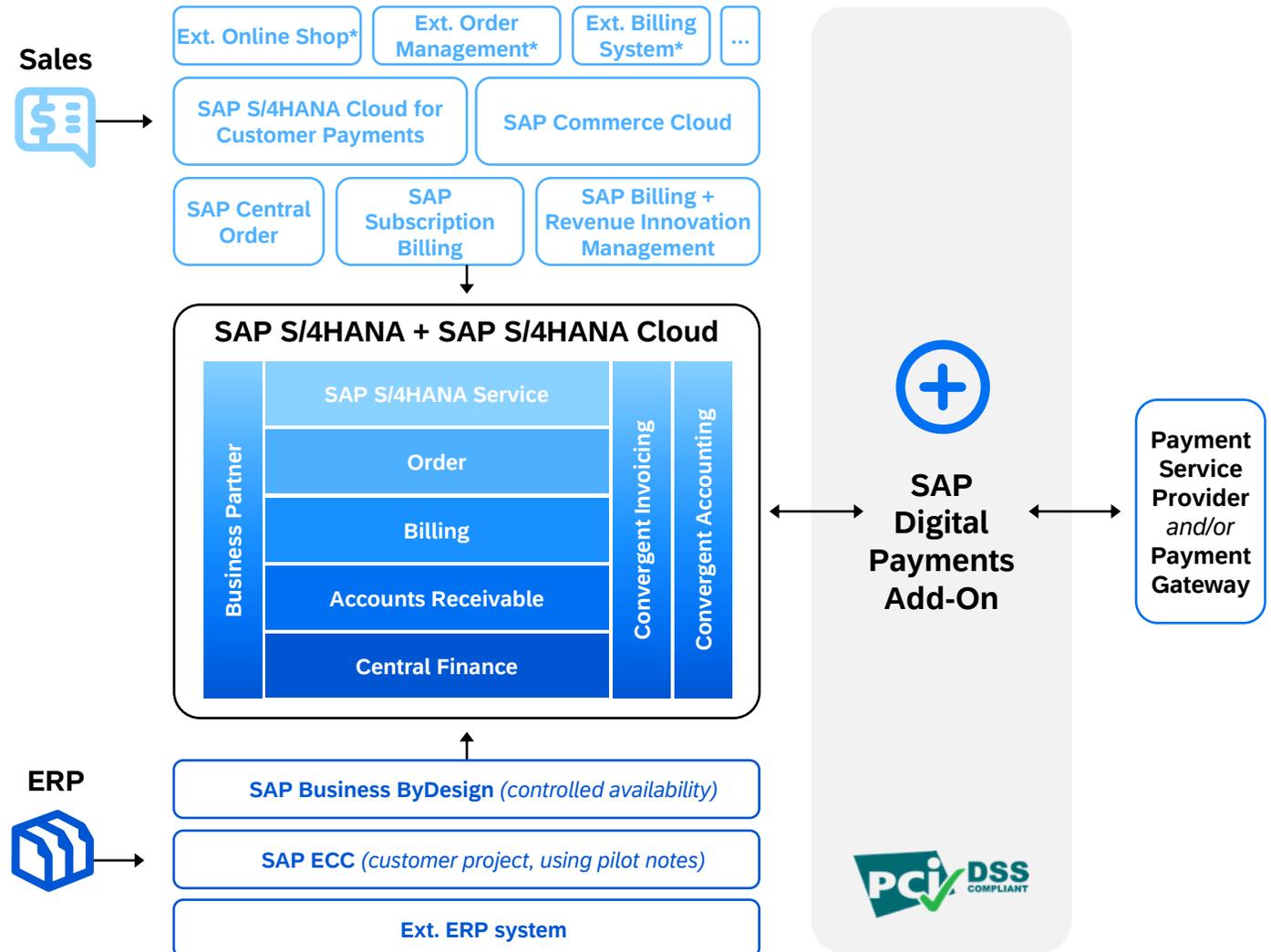
Automated splitting and posting of fees and taxes related to payments.



Automated reconciliation of payments with open items.



Stable and harmonized interfaces for all SAP and non-SAP solutions.

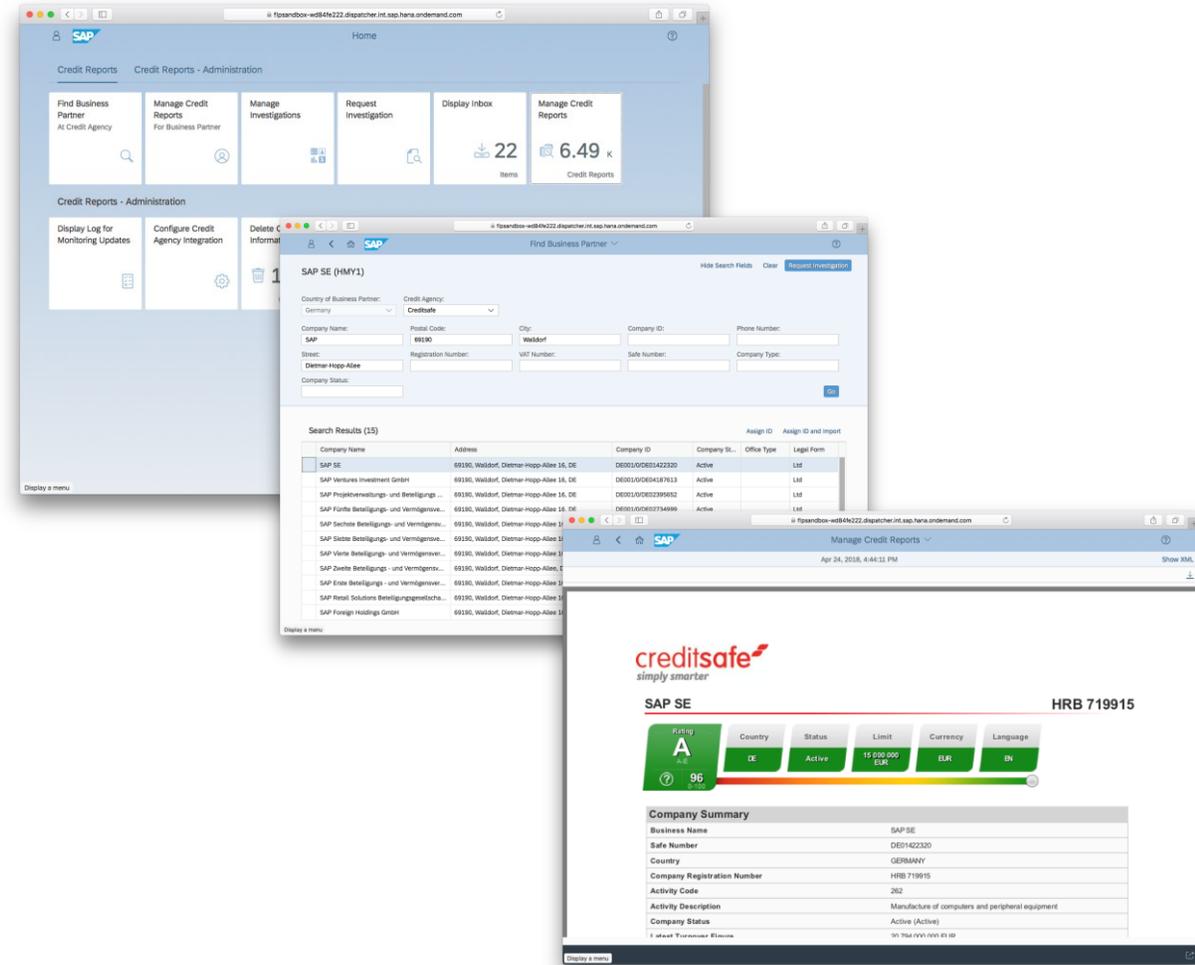




Out-of-the-Box Integration SAP Cloud for Credit Integration

Introducing a new way to automate customer credit risk monitoring

- Respond immediately to changing credit conditions
- Reflect external ratings updates immediately in your scorecards
- Integrates external credit data from **>18 credit agencies** into SAP Credit Management out of the box, no technical lock-in
- Link credit risk monitoring services from leading credit experts with your S/4HANA or ECC system
- Improve your scorecard accuracy





Out-of-the-Box Integration SAP S/4HANA Cloud for Cash Management

Solution Capabilities



Bank Account Management

Centrally manage global bank accounts, correspondence and signatories.



Cash Operation

Full visibility on cash positions and cash forecast.



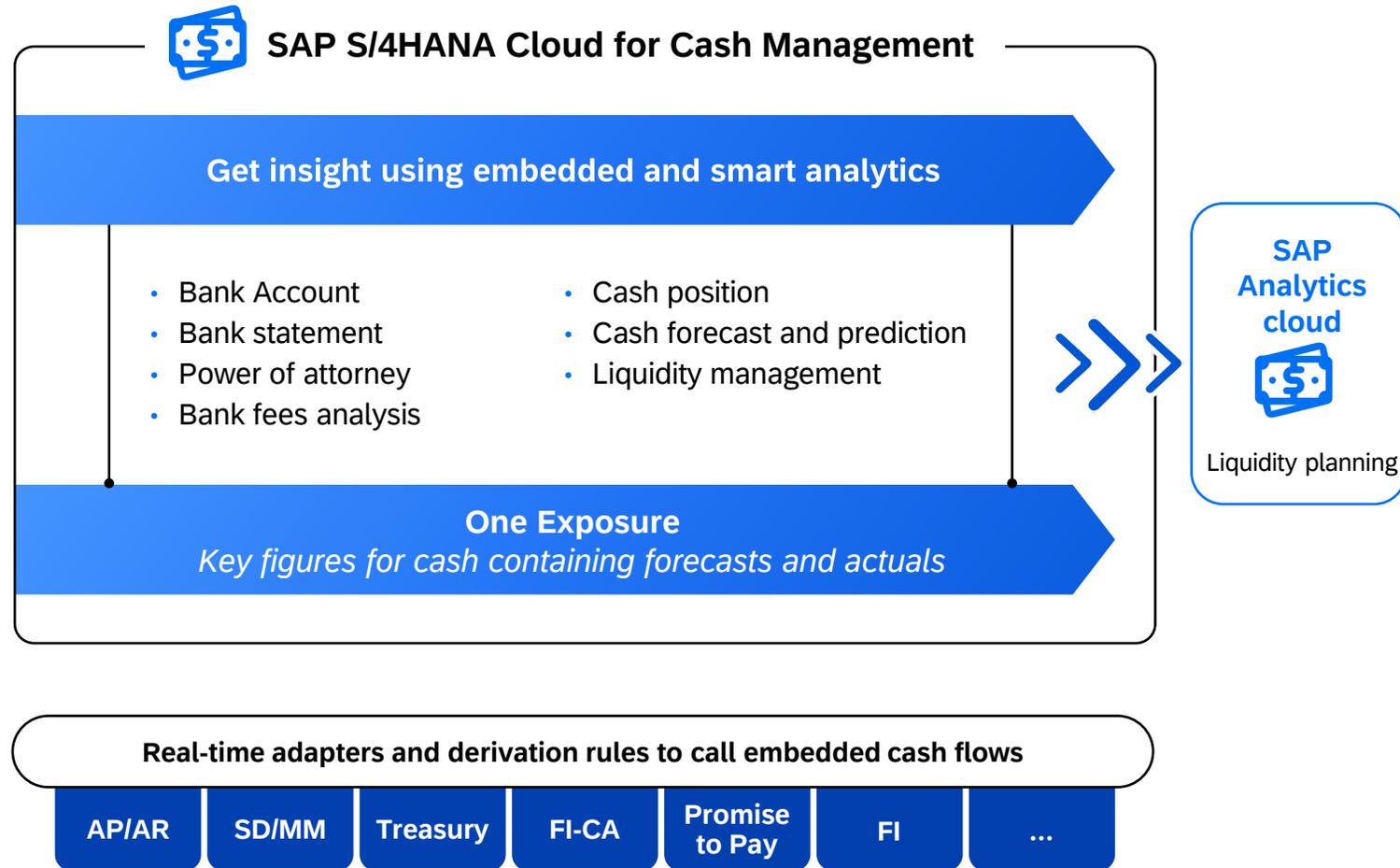
Liquidity Planning

Unleash the power of SAP Analytics Cloud for Predictive Liquidity planning.



Seamless Integration to Trading Platform Integration

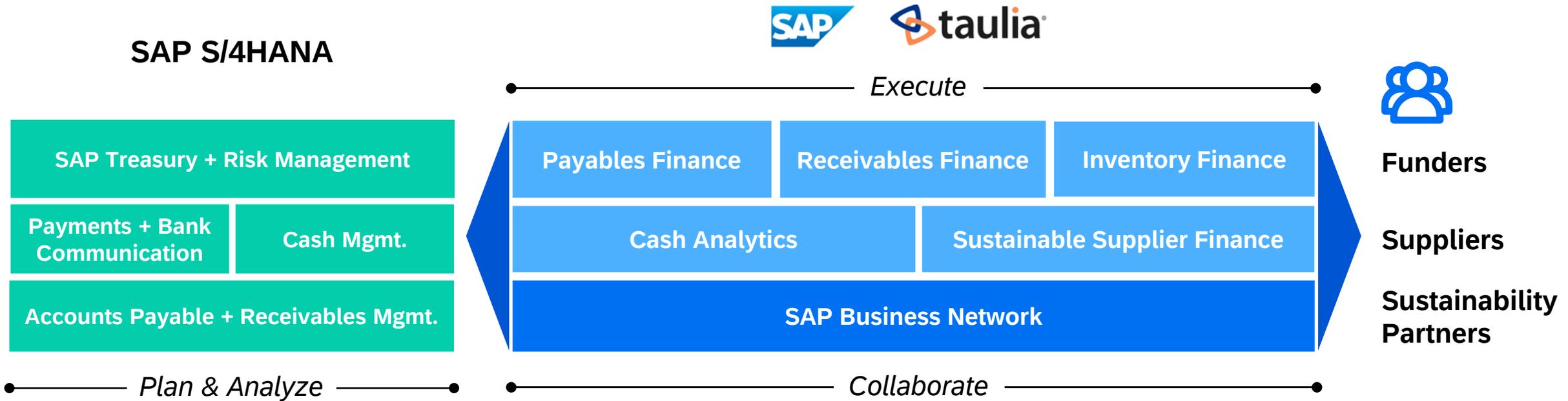
Initiate FX and MM request out of cash flow analyzer.





Out-of-the-Box Integration

Working Capital Management with SAP and SAP Taulia





Out-of-the-Box Integration

Working Capital Management with SAP and SAP Taulia



Dynamic Discounting

Offer suppliers early payment and earn a risk-free return for your business.



Supply Chain Finance

Offer your suppliers vital cash flow freedom using third-party funded Reverse Factoring.



Inventory Finance

This provides supply chain assurance, mitigating against long lead times, stock outages, and lost sales.



Receivables Finance

Receive early payment on invoices due from customers. Optimise working capital, reduce DSO.



Analytics & AI

An intelligent analytics suite that guides you in how to improve working capital performance.



Multi-Funder Platform

Access funding from your relationship banks and from our global network to get the cash you need.



End-2-End

SAP Treasury solutions enable detailed planning, SAP Taulia WCM enables program setup and execution, while SAP Business Network enables collaboration with funders and suppliers.



ESG

Reward suppliers for meeting specific ESG targets through the terms of the financing agreement, incentivizing ethical practices.



Out-of-the-Box Integration Payables and Receivables Financing with SAP and SAP Taulia

With the **Payables Financing** solution, you can make early payments to your suppliers using various financing types provided by SAP Taulia, such as supply chain financing, dynamic discounting and virtual cards. This improves your cash flow while providing your suppliers with enhanced liquidity.

Receivables Financing allows you to get immediate cash by selling your outstanding receivables to a third party, known as the funder. With the integration of both products, you gain access to multiple funders and financing options, helping you improve working capital velocity and unlock investment capacity for growth.

The screenshot displays the SAP Payables Financing Order interface. At the top, there is a navigation bar with the SAP logo and the title 'Payables Financing Order'. Below this, the order number '270' is shown along with a 'Summarize' button. The main content area is divided into tabs: 'General Information', 'Financing Order Items', and 'Administrative Data'. The 'General Information' tab is active, showing details such as Financing Type (Supply Chain Financing), Due Date (09/05/2025), Credit Note Netting (No), and Funder Bank Type (FD01). Below this, the 'Financing Order Items (1)' section is visible, featuring a table with columns for Journal Entry, Company Code, Fiscal Year, Indicator, Invoice Reference, and Amount. A single item is listed with a journal entry of 1900004009, a company code of 1010, a fiscal year of 2025, and an amount of -6,000.00 EUR. The clearing status is 'Open Item' and the document reference ID is DEMO-SCF-0707.

Journal Entry	Company Code	Fiscal Year	Indicator	Invoice Reference	Amount
1900004009	1010 (Company Code 1010)	2025	Leading Invoice		-6,000.00 EUR



Out-of-the-Box Integration

One View of Risks with SAP solutions for Governance, Risk, and Compliance & Security



SAP solutions for
Governance, Risk &
Compliance

Enterprise Risk Management

Assess risks



Optimize assurance



Controls and Compliance

Execute controls, fraud
and compliance



Govern global trade
and taxes



Identity and Access Governance

Manage identities and
access controls



Implement user
authentication efficiencies



Security and Data Protection

Protect sensitive data



Monitor insider and
outsider threats



SAP S/4HANA

SAP S/4HANA Cloud

SAP Analytics Cloud

SAP BTP

SAP Signavio

SAP SuccessFactors

SAP Ariba

SAP Fieldglass

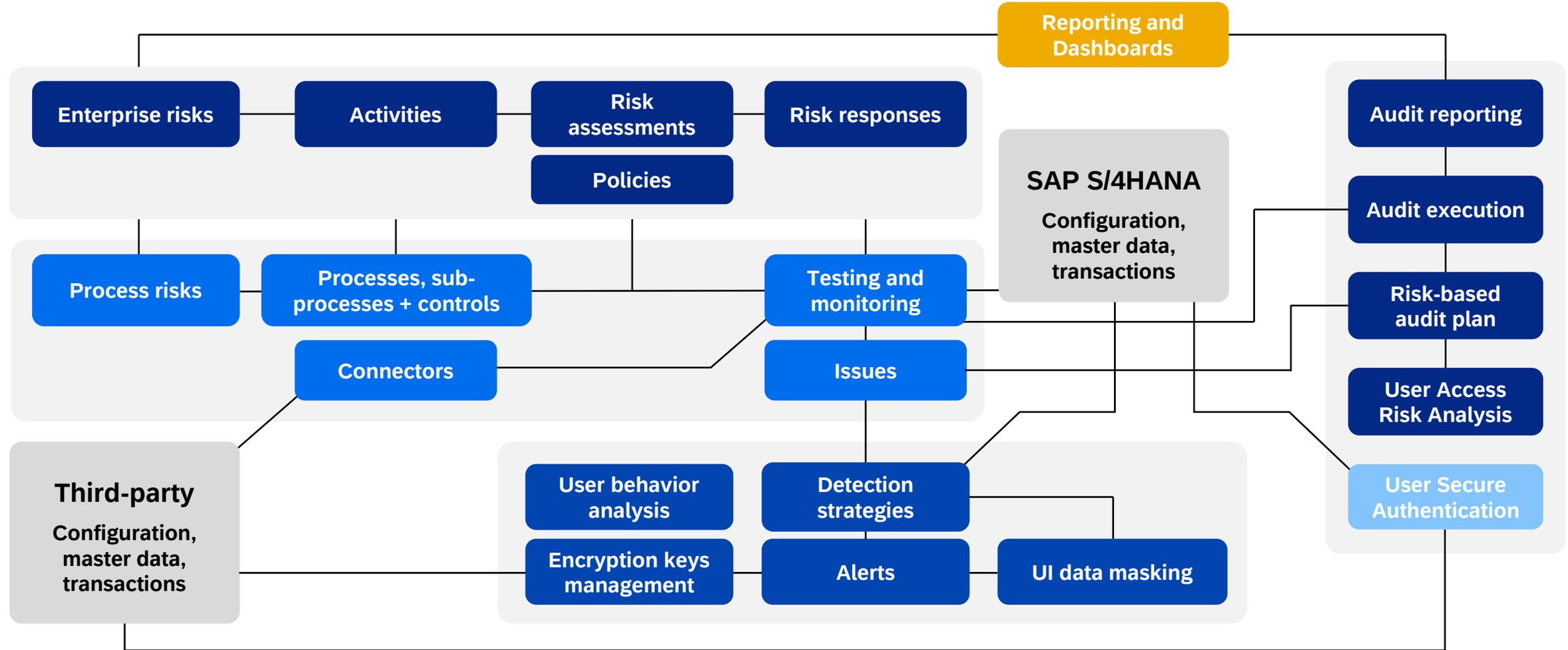
SAP Concur

3rd Party



Out-of-the-Box Integration

Modular GRC solutions with native integration to SAP S/4HANA Cloud Private Edition



Executive Reporting



Enterprise Risk Management



Controls + Compliance



Security + Data Protection



Identity + Access Governance



Out-of-the-Box Integration

SAP Financial Compliance Management: Simplifying Compliance with embedded continuous monitoring and testing of operational controls

Benefits

Financial compliance in the cloud, with its characteristic low TCO and short time to operationalize

Take advantage and comfort in the ready to use content to rapidly build out your internal controls framework

Lower cost per control: low infrastructure cost and increased automation of controls

Single consolidated view of adequacy of financial controls reducing the likelihood of audit failures, share value erosion, fines, prison

Better demonstrate that financial objectives are being achieved, repeatably, enhancing investment and liability management

System Type	Procedure Name	Status	Last Changed On
SAP S/4HANA Cloud	Journal Entry That Exceed Defined Threshold Amount	Active	Aug 31, 2021, 4:58:00 PM
SAP S/4HANA Cloud	Supplier Invoice GL	Active	Jul 1, 2021, 4:12:35 AM
SAP S/4HANA Cloud	Weekend Invoice in GL	Active	Jun 30, 2021, 12:00:17 PM
SAP S/4HANA Cloud	Manual procedure created by user - with Audit Fields	Active	Jun 28, 2021, 9:57:26 PM
SAP S/4HANA Cloud	Manual Postings Created By Dining User Accounts	Active	Jun 28, 2021, 11:28:13 AM
SAP S/4HANA Cloud	Duplicate Journal Entries with Same General Ledger Account and Description	Active	Jun 24, 2021, 11:41:32 AM
SAP S/4HANA Cloud	Duplicate Journal Entries with Same Amount and Description	Active	Jun 24, 2021, 11:50:08 AM
SAP S/4HANA Cloud	Duplicate Journal Entries with Same General Ledger Account and Amount	Active	Jun 24, 2021, 11:55:15 AM
SAP S/4HANA Cloud	Journal Entries Posted by General Ledger Accounts Not Used for Specified Interval of Time	Active	Jun 24, 2021, 12:01:18 PM
SAP S/4HANA Cloud	Intercompany Bookings with No Trading Partner	Active	Jun 24, 2021, 12:06:35 PM
SAP S/4HANA Cloud	Journal Entry Items That Exceed Defined Threshold Amount	Active	Jun 22, 2021, 5:09:22 PM
SAP S/4HANA Cloud	Purchase Orders with Cleared Invoices and No Goods Receipt	Active	Jun 24, 2021, 2:20:27 PM
SAP S/4HANA Cloud	Same User Created Supplier and Purchasing Document	Active	Jun 24, 2021, 2:25:03 PM
SAP S/4HANA Cloud	Changes Made to Critical Fields in Purchasing Documents	Active	Jun 24, 2021, 2:22:47 PM
SAP S/4HANA Cloud	Purchasing Document Items With Overpaid Goods Receipts	Active	Jun 24, 2021, 2:22:04 PM
SAP S/4HANA Cloud	Purchase Order Items Where Delivery of Goods Search is Possible	Active	Jun 24, 2021, 2:21:17 PM
SAP S/4HANA Cloud	Blocked Suppliers with Open Items	Active	Jun 25, 2021, 12:10:09 PM
SAP S/4HANA Cloud	Suppliers with Duplicate Invoice Check Disabled	Active	Jun 26, 2021, 12:12:20 PM

Capabilities

Predefined integration and content for SAP S/4HANA, and in future other cloud solutions

Continuous process monitoring embedded within the source system, as well as manual procedure and issue documentation

User-definable business rules and triggering conditions

Automated exception routing to the relevant stakeholder for remediation

Out-of-the-box reporting templates and support for customization

Integration with SAP Signavio for automated process and control synchronization



Out-of-the-Box Integration

Financial Accounting with SAP S/4HANA Cloud Private Edition and SAP Analytics Cloud

SAP Fiori app: Manage Financial Plan data

The new SAP Fiori app **Manage Financial Plan Data**, which you can use to do the following:

- Provides a framework in SAP S/4HANA Cloud Private Edition to configure and schedule financial plan data integration jobs.
- Utilizes SAP Analytics Cloud as the data source and SAP S/4HANA Cloud Private Edition as the target system.
- Facilitates automated transfer of financial plan data and allows custom job configurations.

Benefit

- Streamlines financial data integration between SAP Analytics Cloud and SAP S/4HANA Cloud Private Edition.
- Reduces manual effort with automated data transfer.
- Enhances planning efficiency by aligning workflows across systems.
- Supports configurable job scheduling for flexibility.

The screenshot shows the 'Configuration ID for Financial Plan Data' overview in the SAP Fiori app. It features a table with columns for Configuration ID, Description, Active status, Target Type, Tenant ID, Provider Name, Package Size, and Changed On. The table lists several configurations, all of which are active and have a package size of 1. The configurations include ACCOSTRATE total CR amounts, various FINSSKF configurations with different account assignments, and ACDOCP P&L plan data.

Configuration ID for Import	Description	Active	Target Type	Tenant ID ...	Provider Name for Plan Data	Package Size	Changed On
<input type="checkbox"/> ACCOSTRATE_TOTAL_RATE	ACCOSTRATE total CR amounts	<input checked="" type="checkbox"/>	ACCOSTRATE	CONT	SAP_FI_IFP_IM_OPEX	1	20.11.2024 16:35:00
<input type="checkbox"/> FINSSKF_PRCTR	FINSSKF with Profit Center account assignment	<input checked="" type="checkbox"/>	FINSSKF	CONT	SAP_FI_IFP_IM_OPEX	1	21.11.2024 10:15:16
<input type="checkbox"/> FINSSKF_RCNTR	FINSSKF with Cost Center account assignment	<input checked="" type="checkbox"/>	FINSSKF	CONT	SAP_FI_IFP_IM_OPEX	1	21.11.2024 10:15:16
<input type="checkbox"/> FINSSKF_RCNTR_ACTVT	FINSSKF with Cost Center Activity Type acc. as...	<input checked="" type="checkbox"/>	FINSSKF	CONT	SAP_FI_IFP_IM_OPEX	1	21.11.2024 10:15:16
<input type="checkbox"/> FINSSKF_WBS	FINSSKF with WBS Element account assignment	<input checked="" type="checkbox"/>	FINSSKF	CONT	SAP_FI_IFP_IM_OPEX	1	21.11.2024 10:15:16
<input type="checkbox"/> PNL DATA TO ACDOCP	ACDOCP P&L plan data	<input checked="" type="checkbox"/>	ACDOCP	CONT	SAP_FI_IFP_IM_OPEX	1	21.11.2024 10:15:16

SAP Fiori app: Manage Financial Plan Data

[Link to documentation](#)

Compatibility Pack in Finance



CP ID 105: SAP Financial Closing cockpit

- Alternative option: SAP S/4HANA Cloud for financial closing cockpit, private edition - material code 8008936)
- [SAP S/4HANA 1909](#)
- SAP Advanced Financial Closing
- PV

CP ID 426: FI-DataSources in Finance

- Alternative option: BW Extractors released for SAP S/4HANA, Group Reporting, Cash Management
- [SAP S/4HANA 1909](#)

CP ID 427: EC-PCA - Classical profit center accounting

- Alternative option: "Profit Center Accounting on Universal Journal" in SAP S/4HANA
- [SAP S/4HANA 1909](#)

CP ID 428: FI-AA / Group Assets

- Alternative option: None

CP ID 430: Special purpose ledger; cost of sales ledger

- Alternative option: "Financial Reporting based on the universal journal (ACDOCA); special ledger use cases to be included in universal journal.
- [SAP S/4HANA 1909](#)

CP ID 431: Schedule Manager

- Alternative option: "SAP S/4HANA Cloud for Advanced Financial Closing
[PV](#)

Compatibility Pack in Finance



CP ID 433: Reporting/Analytics in Finance and Controlling

- Alternative option: Financial Reporting based on the universal journal (ACDOCA) using virtual data model and SAP Fiori.
- [SAP S/4HANA 1909](#)

CP ID 434: Consolidation preparation - Closing Operations

- Alternative option: SAP S/4HANA Finance for Group Reporting
- [SAP S/4HANA 1909](#)

Sourcing and Procurement





SAP Cloud ERP Private differentiators

**SAP HANA and
Embedded Analytics**



SAP HANA and Real-time Analytics

Supplier Management

- Supplier Evaluation By Time
- Supplier Evaluation By Price
- Supplier Evaluation By Quantity
- Supplier Evaluation by Quality – by Inspection Lot
- Supplier Evaluation by Quality – by Quality Notification
- Operational Supplier Evaluation
- Supplier Evaluation by Questionnaire
- Supplier Evaluation by User Defined Criteria (incl. Parts per Million)
- Overall Supplier Evaluation

Operational Procurement

- Purchase Order Value and Scheduling Agreement Spend
- Purchasing Spend
- Purchase Order Average Delivery Time
- Overdue Purchase Order Items
- Purchase Order Changes
- Purchase Order Output Automation Rate
- Purchase Requisition Item Types
- Purchase Requisition Average Approval Time – Release Strategy
- Purchase Requisition Average Approval Time – Flexible Workflow
- Purchase Requisition To Order Cycle Time
- Purchase Requisition No Touch Rate
- Purchase Requisition Item Changes
- Product Carbon Footprint for Requested Products
- Monitor Supplier Confirmations
- Monitor Purchase Order Items
- Monitor Purchase Requisition Items
- Procurement Overview
- Purchasing Spend Dashboard*

Contract Management

- Unused Contracts
- Contract Expiry
- Off-Contract Spend
- Contract Leakage
- Value Contract Consumption
- Quantity Contract Consumption
- Scheduling Agreement Consumption
- Monitor Scheduling Agreement Items
- Monitor Purchase Contract Items

Sourcing and Invoice Management

- Request for Quotation Types
- Product Sourcing Overview
- Monitor Request for Quotation Items
- Invoice Price Change
- Supplier Invoice Inbound Automation Rate
- Non-Managed Spend

Central Procurement and Cross

- Central Purchase Contract Consumption
- Global Purchasing Spend
- Central Purchase Requisition Item Types
- Spend Variance
- Purchasing Group Analysis
- Parts per Million
- Material Price Variance
- Monitor Purchase Order Items Centrally
- Monitor Central Purchase Contract Items
- Monitor Central Purchase Order Items
- Monitor Purchase Requisition Items centrally



SAP Cloud ERP Private differentiators

**Data Products and
Intelligent Applications**



Data products

Explore a range of data products within Business Data Cloud designed to help businesses manage, analyze, and leverage their data.

These products include curated datasets, data integration tools, and analytical applications, all of which aim to enable data-driven decision-making.

[Available data products](#)

 Data Product Purchase Requisition Data Product Purchase Requisition Version 1.0.1 ACTIVE	 Data Product Purchase Contract Data Product Purchase Contract Version 1.0.1 ACTIVE	 Data Product Purchase Order Data Product Purchase Order Version 1.0.1 ACTIVE	 Data Product Procurement Configuration Data Data Product Procurement Configuration Data Version 1.0.1 ACTIVE
 Data Product Service Entry Sheet Data Product Service Entry Sheet Version 1.0.1 ACTIVE	 Data Product Request For Quotation Data Product Request For Quotation Version 1.0.1 ACTIVE	 Data Product Supplier Invoice Data Product Supplier Invoice Version 1.0.1 ACTIVE	 Data Product Supplier Quotation Data Product Supplier Quotation Version 1.0.1 ACTIVE
 Data Product Purchasing Organization Data Product Purchasing Organization Version 1.1.1 ACTIVE	 Data Product Purchase Scheduling Agreement Data Product Purchase Scheduling Agreement Version 1.0.1 ACTIVE	 Data Product Purchasing Info Record Data Product Purchasing Info Record Version 1.0.1 ACTIVE	 Data Product Purchasing Source List Data Product Purchasing Source List Version 1.0.1 ACTIVE



SAP Cloud ERP Private differentiators

SAP Fiori

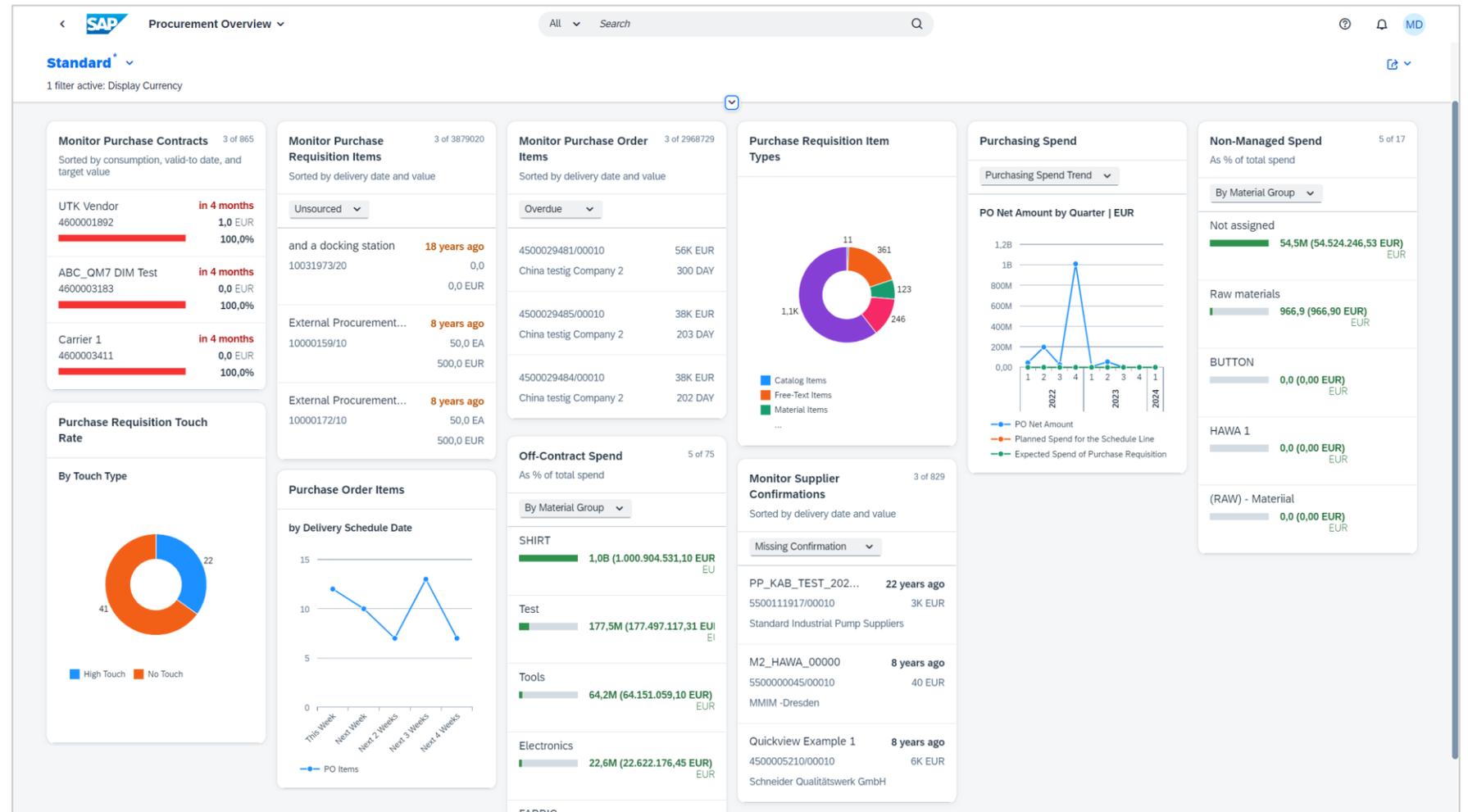


SAP Fiori Lighthouse Apps

Procurement Overview

- Gain an overview on your procurement items in one configurable dashboard and manage your action items in ways that focus your attention and improve prioritization
- Personalize your overview page by (un)hiding and arranging cards and applying filters to the displayed information as needed

[Link to documentation](#)





SAP Fiori Lighthouse Apps

Process Purchase Requisitions (formerly “Manage Purchase Requisitions”)

- Monitor the status of Purchase Order items based on criteria such as material, supplier, quantity, value, status etc.
- Apply filters and grouping to accommodate your requirements, and drill down immediately to resolve the issues

[Link to documentation](#)

The screenshot shows the SAP Fiori 'Process Purchase Requisitions' app interface. At the top, there are search filters for Plant, Purchasing Group, Purchasing Organization, Product Group (set to 'Packaging ma...'), Processing Status, Item Delivery Date, Start Date, and End Date. Below the filters is a 'Go' button and 'Adapt Filters (1)'. The main content area displays a table of 'Purchase Requisitions (33)'. The table has columns for Item, Material, Product Group, Quantity, Purchase Order Quantity, Total Value, Assigned Supplier, Delivery Date, Plant, and Processing Status. The table lists several requisitions, including those for 'Returnable Wooden Pallet' and 'Check Pump Pressure'. Each row includes a checkbox, a pencil icon for editing, and a right-pointing arrow for further actions.

Item	Material	Product Group	Quantity	Purchase Order Quantity	Total Value	Assigned Supplier	Delivery Date	Plant	Processing Status
<input type="checkbox"/>	14274386/20	Returnable Wooden Pallet (216265)	20 PC	0 PC	40.000,00 EUR	0 Sources	May 23, 2025	Plant 0001 - no change allowed	Not edited
<input type="checkbox"/>	14274408/10	Returnable Wooden Pallet (MAT_PALLET01D)	20 PC	20 PC	10.000,00 EUR	0 Sources	May 25, 2021	Werk 1010	PO created
<input type="checkbox"/>	1427769/10	Check Pump Pressure	1,00 H	0,00 H	0,00 EUR	0 Sources	Aug 7, 2021	Plant 0001 - no change allowed	Not edited
<input type="checkbox"/>	14277771/30	checking for equipment entry	1,00 H	0,00 H	0,00 EUR	0 Sources	Aug 10, 2021	Plant 0001 - no change allowed	Not edited
<input type="checkbox"/>	14277834/20	Transformer Overheating	1,00 H	0,00 H	0,00 EUR	0 Sources	Aug 12, 2021	Plant 0001 - no change allowed	Not edited
<input type="checkbox"/>	14277835/20	Capture details	1,00 H	0,00 H	0,00 EUR	0 Sources	Aug 12, 2021	Plant 0001 - no change allowed	Not edited
<input type="checkbox"/>	14277857/10	Check Pump Pressure	1,00 H	0,00 H	0,00 EUR	0 Sources	Aug 10, 2021	Plant 0001 - no change allowed	Not edited
<input type="checkbox"/>	14277860/30	checking for equipment entry	1,00 H	0,00 H	0,00 EUR	0 Sources	Aug 13, 2021	Plant 0001 - no change allowed	Not edited
<input type="checkbox"/>		checkine for equipment						Plant 0001 - no change	

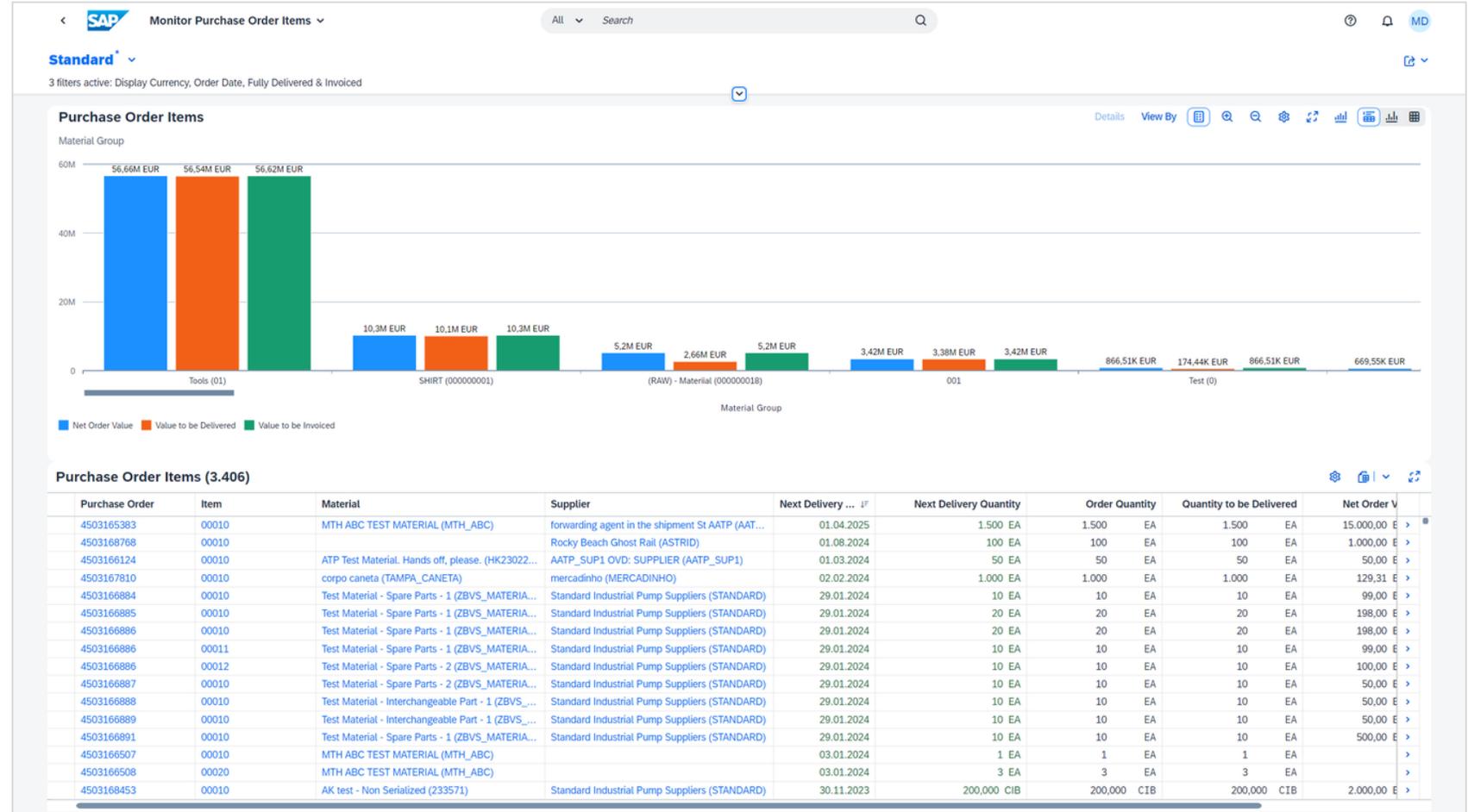


SAP Fiori Lighthouse Apps

Monitor Purchase Order Items

- Monitor the status of Purchase Order items based on criteria such as material, supplier, quantity, value, status etc.
- Apply filters and grouping to accommodate your requirements, and drill down immediately to resolve the issues

[Link to documentation](#)



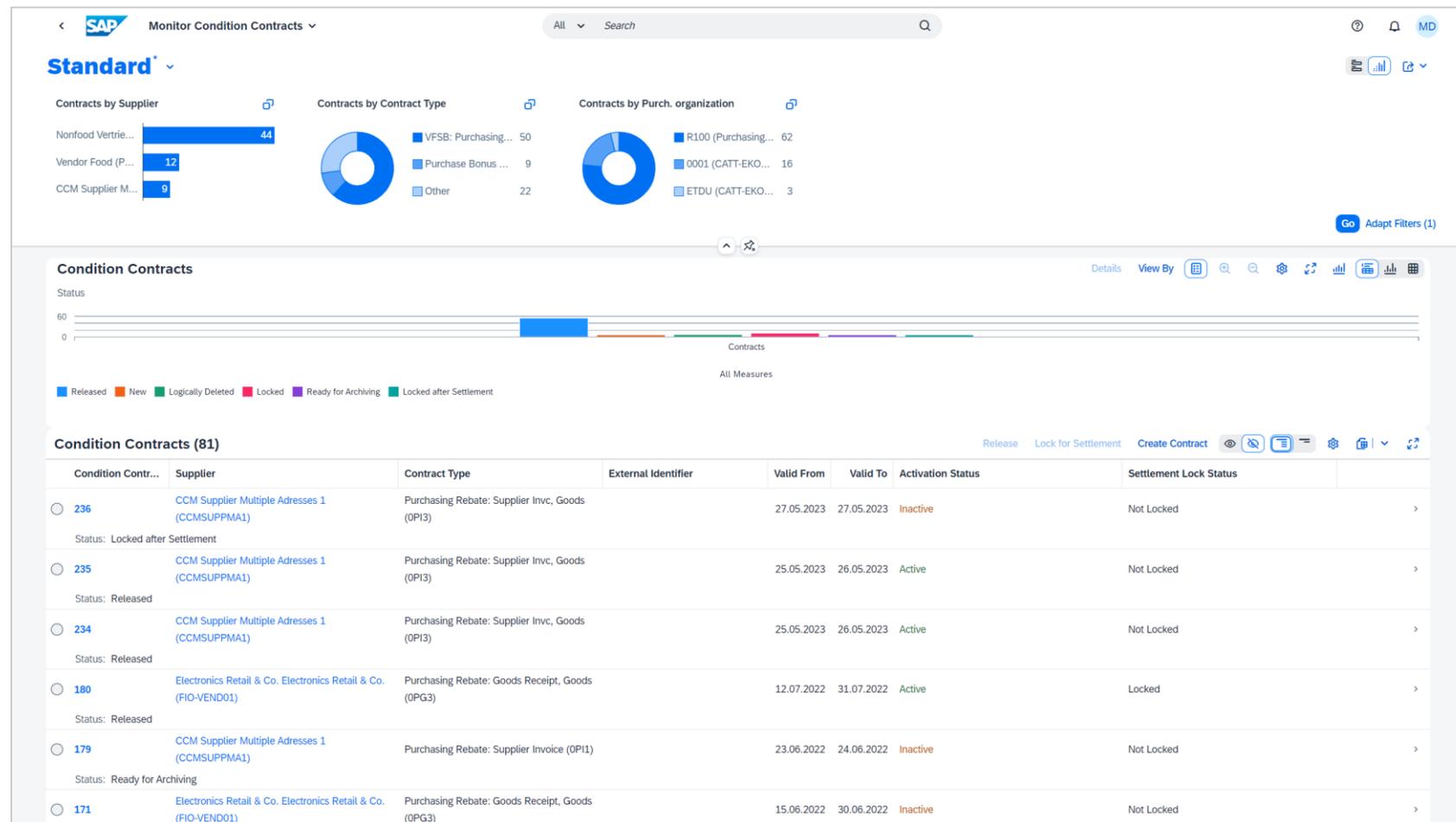


SAP Fiori Lighthouse Apps

Monitor Condition Contracts

- Benefit from the flexibility and performance of supplier rebate management capability in the private edition of SAP S/4HANA Cloud and improve transparency across your processes with SAP Fiori apps
- This functionality has been completely redesigned and re-implemented, fully leveraging workflow and extensibility options in SAP S/4HANA.

[Link to documentation](#)





SAP Fiori Lighthouse Apps

Sourcing Project

- Streamline your supplier award process when sourcing projects by structuring your RFPs and comparing incoming quotations, all the way down to detailed cost breakdowns for each supplier

[Link to documentation](#)

SAP Sourcing Project

Facility Services St. Leon-Rot 2024
1000000756

Supplier List

Supplier List Status: Released
Sourcing Supplier List Version: 1

Business Partner	Is Supplier	Supplier	Address	Country/Region G...	Pricing Proce...	Submission Deadline	Unlocking History
<input type="checkbox"/> KG Electronics (192)	Yes	KG Electronics (442)	Longueuil H3M 2M1, Canada		RM0000		Unlocking History
<input type="checkbox"/> Benjamin Blümchen (100)	Yes	Benjamin Blümchen (100000)	Hauptstrasse 2, 69190 Walldorf, Germany	EMEA	RM0000		Unlocking History
<input type="checkbox"/> SLP Supplier1 (31)	Yes	SLP Supplier1 (4136)	roundrock 78681, USA		RM0000		Unlocking History
<input type="checkbox"/> Standard Industrial Pump Suppliers (STAND...	Yes	Standard Industrial Pump Suppliers (STANDARD)	eCATT Street 1, 12345 eCATT City, Germany	EMEA	RM0000		Unlocking History
<input type="checkbox"/> ABC_QM7 DIM Test (10300001)	Yes	ABC_QM7 DIM Test (10300001)	45721 Haltern am See, Germany	EMEA	RM0000		Unlocking History

Supplier Quotations (6) Standard

Supplier Quotati...	Version	Name	Simulated	Status	Created On	Business Partner	ID Number	Country/Re...
<input type="checkbox"/> 2000001554	1	Facility Services St. Leon-Rot2024	No	Submitted	24.07.2023, 19:22:59	ABC_QM7 DIM Test (10300001)		DE
<input type="checkbox"/> 2000001555	1	Facility Services St. Leon-Rot2024	No	In Preparation	25.07.2023, 07:33:44	ABC_QM7 DIM Test (10300001)		DE
<input type="checkbox"/> 2000001537	1	Facility Services St. Leon-Rot2024	No	Submitted	24.07.2023, 16:50:25	Benjamin Blümchen (100)		DE
<input type="checkbox"/> 2000001551	1	Facility Services St. Leon-Rot2024	No	Revised	24.07.2023, 18:26:39	Benjamin Blümchen (100)		DE
<input type="checkbox"/> 2000001551	2	Facility Services St. Leon-Rot2024	No	Submitted	24.07.2023, 18:30:23	Benjamin Blümchen (100)		DE
<input type="checkbox"/> 2000001561	1	Facility Services St. Leon-Rot2024	No	Submitted	25.07.2023, 12:00:52	ABC_QM7 DIM Test (10300001)		DE

Negotiations Standard

Negotiation	Negotiation Type	Start Date	End Date	Status

Draft updated Save Discard Draft



SAP Fiori Lighthouse Apps

Monitor Central Purchase Contract Items

- Leverage the chart and table view with aggregated values of central purchase contract items to recognize full utilization situations

[Link to documentation](#)

SAP Monitor Central Purchase Contract Items

Standard

Search: European Euro (EUR), Central Contract Item: , Item Distribution Number: , Material Group: Trading Materi..., Material: Helmet New (T...), Supplier: , Connected System Plant: Plant 1US 171..., Connected System Purchasing: , Purchasing Document Type: , Validity Status: , Distribution Status:

Go Adapt Filters (4)

Central Purchase Contr...

Central Contract I...	Company Name	Plant Name	Groupi...	Distr. Num...	Material	Material Group	Connected System Plant	Connected System Purcha...	Connected System Purchas...
4700000049/00010	Best Run US	Plant 1US 1710		1	Helmet New (TG11)	Trading Materials (L001)	Plant 1US 1710 (1710)	PUR. ORG 1710 (1710)	Pur Grp CP01 (CP1)
4700000051/00010	Best Run US	Plant 1US 1710		1	Helmet New (TG11)	Trading Materials (L001)	Plant 1US 1710 (1710)	PUR. ORG 1710 (1710)	Pur Grp CP01 (CP1)
4700000045/00010	Best Run US	Plant 1US 1710		1	Helmet New (TG11)	Trading Materials (L001)	Plant 1US 1710 (1710)	PUR. ORG 1710 (1710)	Pur Grp CP01 (CP1)
4700000040/00010	Best Run US	Plant 1US 1710		1	Helmet New (TG11)	Trading Materials (L001)	Plant 1US 1710 (1710)	PUR. ORG 1710 (1710)	Pur Grp CP01 (CP1)
4700000041/00010	Best Run US	Plant 1US 1710		2	Helmet New (TG11)	Trading Materials (L001)	Plant 1US 1710 (1710)	PUR. ORG 1710 (1710)	Pur Grp CP01 (CP1)
4700000001/00010	Best Run US	Plant 1US 1710		1	Helmet New (TG11)	Trading Materials (L001)	Plant 1US 1710 (1710)	PUR. ORG 1710 (1710)	Pur Grp CP01 (CP1)
4700000002/00010	Best Run US	Plant 1US 1710		1	Helmet New (TG11)	Trading Materials (L001)	Plant 1US 1710 (1710)	PUR. ORG 1710 (1710)	Pur Grp CP01 (CP1)
4700000007/00010	Best Run US	Plant 1US 1710		1	Helmet New (TG11)	Trading Materials (L001)	Plant 1US 1710 (1710)	PUR. ORG 1710 (1710)	Pur Grp CP01 (CP1)
4700000008/00010	Best Run US	Plant 1US 1710		1	Helmet New (TG11)	Trading Materials (L001)	Plant 1US 1710 (1710)	PUR. ORG 1710 (1710)	Pur Grp CP01 (CP1)
4700000011/00010	Best Run US	Plant 1US 1710		1	Helmet New (TG11)	Trading Materials (L001)	Plant 1US 1710 (1710)	PUR. ORG 1710 (1710)	Pur Grp CP01 (CP1)
4700000013/00010	Best Run US	Plant 1US 1710		1	Helmet New (TG11)	Trading Materials (L001)	Plant 1US 1710 (1710)	PUR. ORG 1710 (1710)	Pur Grp CP01 (CP1)

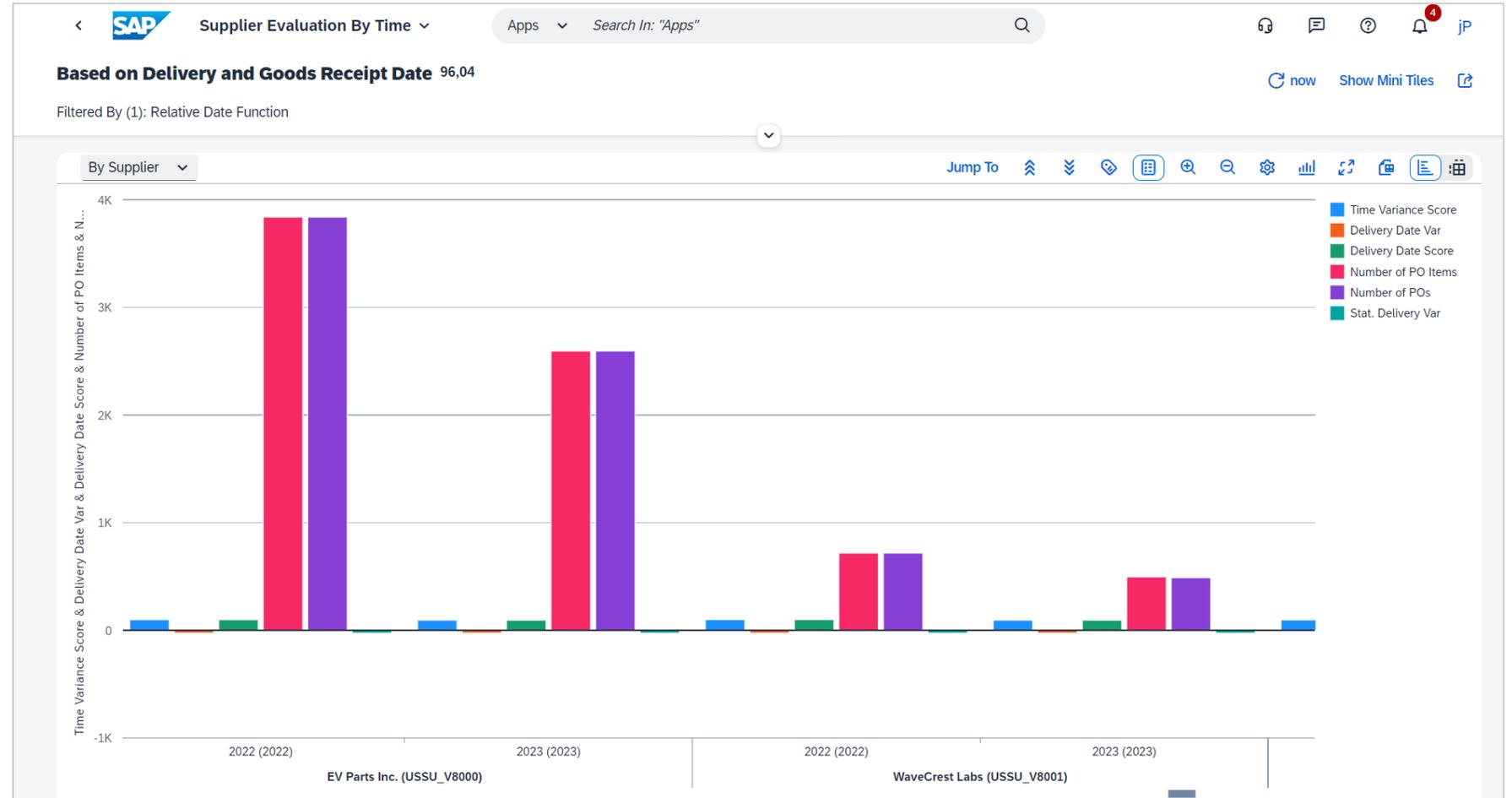


SAP Fiori Lighthouse Apps

Operational Supplier Evaluation

- Build a strong supplier network with a transparent overview of your suppliers, so you can approve the most reliable vendors and get the right mix to serve business needs with less risk

[Link to documentation](#)





SAP Cloud ERP Private differentiators

Joule



Joule

Operational Purchaser

Create Purchase Requisitions

Change Purchase Orders

Process Invoice Reminders

The screenshot displays the SAP Sourcing and Procurement user interface. At the top, there is a navigation bar with the SAP logo, a 'Home' dropdown, and a search bar. Below this is a secondary navigation bar with tabs for 'My Home', 'Purchasing Analytics', 'Inventory Processing', 'Warehouse Processing', and 'Inventory Management'. The main content area is titled 'To-Dos (111)' and contains three task cards:

- Verify G/L Journal Entry 100105991 1710 2025**: Medium Priority, Created By: SAP_WFRT, Task created 2 wk. ago.
- Execute Task: Safety walk / ID: 96-2**: Medium Priority, Created By: Robin Haas, Task created 2 wk. ago.
- Approve Purchase Order 4500582029**: Medium Priority, Created By: Adriano Baroni, Task created 4 wk. ago.

Below the tasks are sections for 'News' and 'Pages'. The 'Pages' section includes 'Supplier Invoices' (Accounts Payable - Procurement) and 'Purchasing' (Accounts Payable). A modal dialog box titled 'Create Purchase Requisition...' is open on the right, showing a 'create purchase requisition' button and a 'New Purchase Requisition' card for Paul Peterson (13.11.2025 12:24:51). The dialog also displays 'General Information' such as Document Type (Purchase Requisition (NB)) and Item Type (Choose Material or Service Item), with options to 'Add Material Item' and 'Add Service Item'.



SAP Cloud ERP Private differentiators

SAP Business AI



Intelligent technologies Supplier delivery date prediction

Predict delivery dates for purchase order items based on historical data.

- Purchasers can predict delivery dates for purchase order items based on historical data, using Intelligent Scenario Lifecycle Management.
- Based on multiple parameters, the system can predict a date by which the supplier can deliver the material.

SAP Monitor Purchase Order Items

Standard*

Display Currency: * European Euro (EUR)

Purchase Order: Supplier: Material: Predicted Delivery:

Plant: Next Schedule Line Date: Next Delivery Date:

Order Status: Order Date: Fully Delivered: No

02/27/2024 - 02/26/2025

Go Adapt Filters (3)

Supplier's Delivery Reliability

Reliability of supplier Inlandslieferant DE 1 (10300001) for deliveries of material Alloy wheels (TG11) to plant Plant 1 DE (1010) over past 6 months.

Reliability Analysis

0%
100%

■ Early ■ Delay ■ On Time

View Supplier Evaluation

Purchase Order Items (93,596)

	Next Schedule Line ...	Predicted Delivery Date
<input type="checkbox"/>		
<input type="checkbox"/>	001)	05/24/2024 Not Predicted
<input type="checkbox"/>	001)	05/24/2024 Not Predicted
<input type="checkbox"/>	001)	05/24/2024 Not Predicted
<input type="checkbox"/>	001)	05/24/2024 Not Predicted
<input type="checkbox"/>	001)	05/24/2024 <u>Date in Past (8 Days Early)</u>
<input type="checkbox"/>	001)	Not Applicable
<input type="checkbox"/>	001)	05/16/2024 Not Predicted
<input type="checkbox"/>	001)	05/24/2024 Not Predicted
<input type="checkbox"/>	001)	05/24/2024 Not Predicted

Material	Net Order Value	Val
PC	200.00 EUR	>
PC	200.00 EUR	>
PC	20.00 EUR	>
PC	200.00 EUR	>
PC	200.00 EUR	>
PC	500.00 EUR	>
PC	300.00 EUR	>
PC	100.00 EUR	>
PC	200.00 EUR	>



SAP Cloud ERP Private differentiators

Situation Handling



Intelligent technologies Situation Management

Some examples:

[Expiration of Purchase Contracts](#)

[Central Contract Item Consumption](#)

[Supplier Quotation Submitted](#)

[Cash Discount at Risk](#)

[Pending Supplier Confirmation](#)

[Blog series Situations Handling](#)

[Situation templates in Procurement](#)

☰ < **SAP** Central Purchase Contract ▾

Test_CC_29.09.2025
470000011

Central Purchasing Organization	Supplier	Distribution Status	Status	Version
Purch. Org. 1710 (1710)	Domestic US Supplier 1 (17300001)	Distributed	Approved	Active Document (0)

Canceled Contract
No

General Information | Delivery and Payment | Reference | Distribution | Header Conditions | Items | Output Control | Legal Transactions | Distributed O...

General Information

Central Purchase Contract Description: Test_CC_29.09.2025	Central Purchasing Organization: Purch. Org. 1710 (1710)	Supplier: Domestic US Supplier 1 (17300001)
Contract Type: Quantity Contract (MK)	Central Purchasing Group: Pur Grp CP1 (CP1)	Approver: Approved automatically
Created On: 09/29/2025	Target Value: 1,000,00	Flexible Distribution: No
Valid From: 09/29/2025	Currency: United States Dollar (USD)	
Valid To: 11/10/2025		
Central Purchase Contract Hierarchy: -		

Delivery and Payment

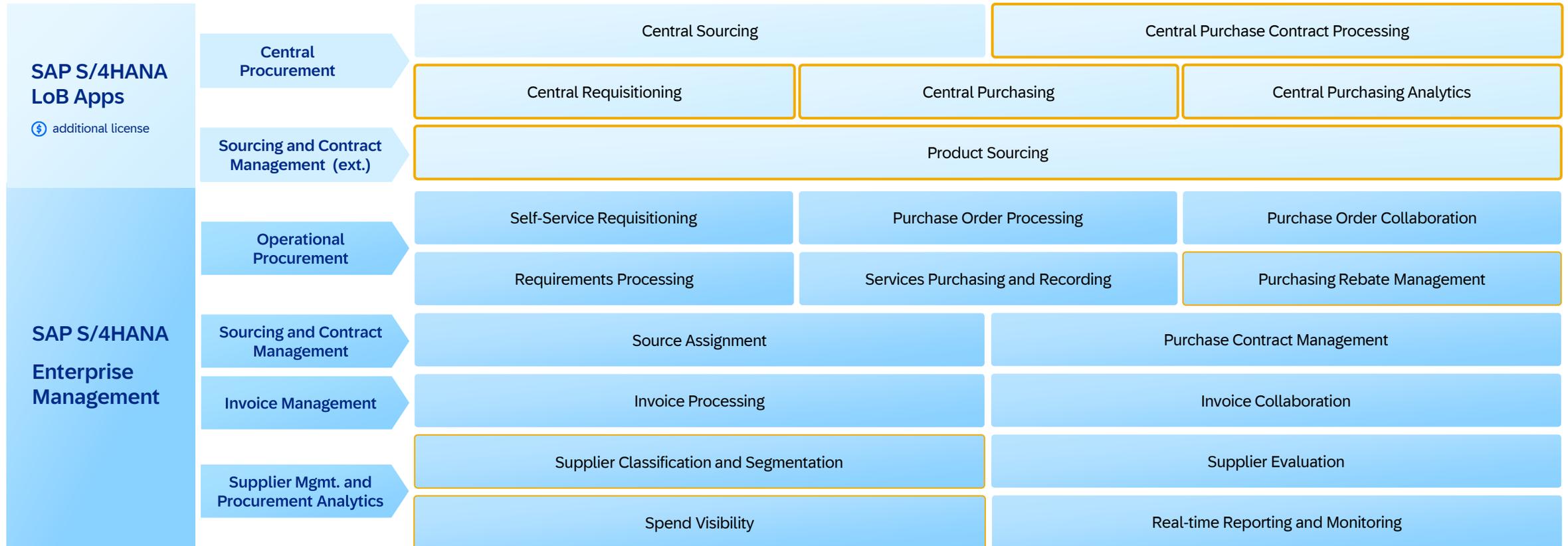
Delivery Terms

By Date | By Type | By Priority

- ⚠ Expiration of Central Purchase Contract ✕
 Central purchase contract 470000012 owned by purchasing group CP1 in purchasing organization 1710 wil...
 5 days ago [Show More](#)
- ⚠ Expiration of Central Purchase Contract ✕
 Central purchase contract 470000011 owned by purchasing group CP1 in purchasing organization 1710 wil...
 5 days ago [Show More](#)
- ⚠ Expiration of Central Purchase Contract ✕
 Central purchase contract 470000012 owned by purchasing group CP1 in purchasing organization 1710 wil...
 6 days ago [Show More](#)
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 7 days ago [Show More](#)
- ⚠ Expiration of Central Purchase Contract ✕
 Central purchase contract 470000011 owned by purchasing group CP1 in purchasing organization 1710 wil...
 7 days ago [Show More](#)
- ⚠ Expiration of Central Purchase Contract ✕



New Business Processes Business Area and Business Capability Overview



New business capabilities in SAP S/4HANA

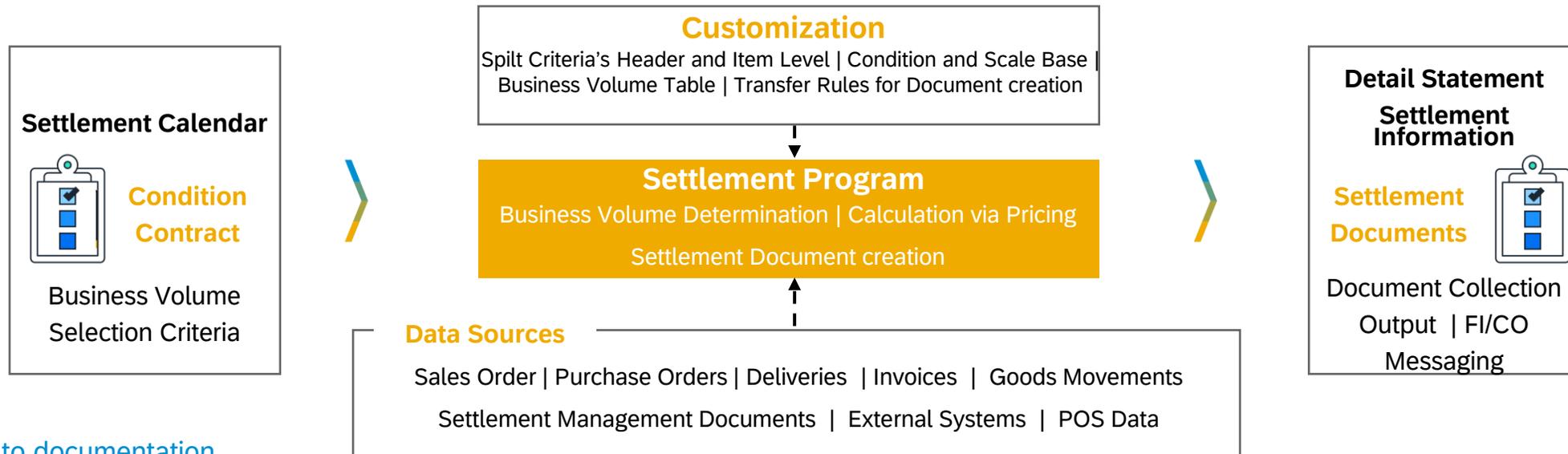


New Business Processes and Functionalities

Purchasing Rebate Management

Condition Contract Management in SAP S/4HANA (SAP Note [2481672](#)) uses **Central Contract Administration** as the single point of entry for contract data and contract related conditions for

- Full support of business volume related scenarios
- Calendar based settlement
- Accrual conditions can be defined independent from settlement conditions
- Intuitive data entry of settlement information with full transparency of involved documents



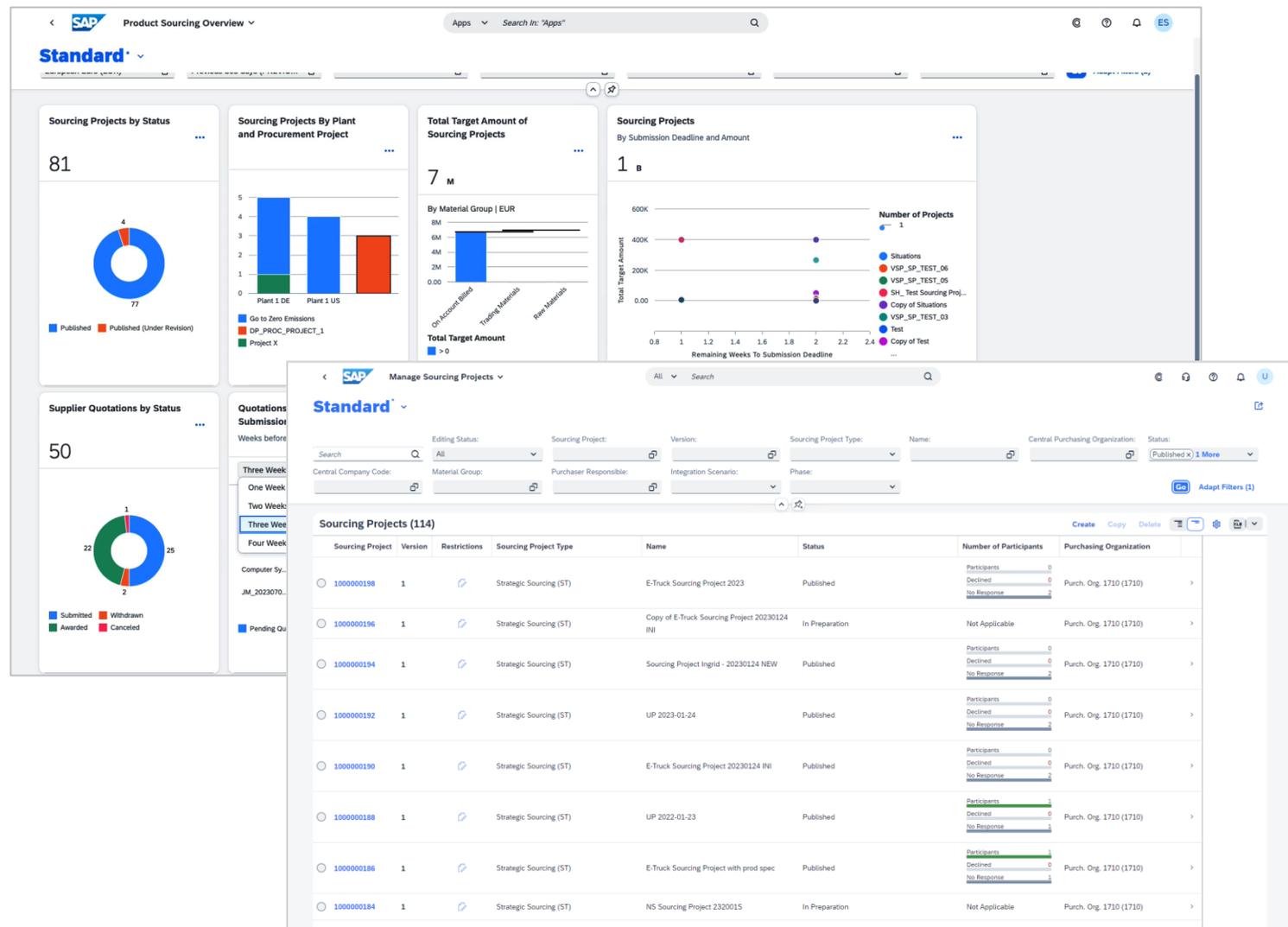
[Link to documentation](#)



New Business Processes and Functionalities

Product Sourcing*

- Extended product sourcing optimizes the sourcing process by organizing it into projects. A project is the frame to invite suppliers, collect and compare key criteria (cost breakdowns, qualities, dates, sustainability data) of their quotes in a detailed and structured format, based on questionnaires. Awarding scenarios help to simulate and analyze the outcomes of different awarding options.
- Procurement projects for specific plants, negotiation processes and supplier lists are also supported in a structured way.
- As of release 2023, Product Sourcing comes with its own Overview page, to ensure a quick focus on the critical sourcing processes.



[Link to documentation](#)

* For Automotive and Industrial Manufacturing industries only



New Business Processes and Functionalities

Product Sourcing*

- Flexible workflows for sourcing projects, awarding scenarios and supplier lists ensure that the respective documents in the approval process are processed by the right assignees.
- Preferred supplier list can be created with a reference to purchasing organization and purchasing category
- Besides “classic” criteria like dates, qualities and costs, sustainability-related KPIs like the carbon footprint of materials and services offered can be part of the criteria list.

Compare 7000000091

Created By: Example Purchaser
Created On: 03/09/2023
Publishing Date: 03/09/2023
RFQ Type: Int. Sourcing Req.

Status: **Published**

Quotation Deadline: 03/23/2023

Number of Invited Bidders: **4** (out of 5)

Comparison of Target Value/Best Quotation:

Target Value	1,000.00 EUR
Best Quotation	0.00 EUR

Quotations (4)

Supplier Quotation	Supplier	Address	Status	Total Quotation Net Value	Quotation Date	Fully Quoted Items	Best-Priced Items
<input type="checkbox"/> 8000000047	DC Walldorf (1050)	Hasso-Plattner-Ring 7, 69190 Walldorf, Germany	In Preparation	0.00 EUR	03/16/2023	1/1	1/1
<input type="checkbox"/> 8000000050	inlandslieferant DE 2 (10300001)	23 India Hull, 457210 Halt, India					
<input type="checkbox"/> 8000000046	DEMO (51)	10367 BERL, Germany					
<input type="checkbox"/> 8000000048	DC 1735 (1735)	Germany					

[Link to documentation](#)

[Link to Product Sourcing overview video](#)

Model X_AC Assy 10007649

Best Bid from Selection

Supplier Quotation	Total Amount	Carbon Footprint Data Provided
1000 (20006270)	1,06M EUR	Quantity: 200,000 KG Share of Primary Emissions: 35 % Period Start Date: 15.06.2023 Period End Date: 30.06.2030 Boundary Condition: Cradle to Gate Country/Region of Supplier Plant: DE Region of Supplier Plant: BB Source of Emission Factor: Ecovadis Supplier Plant: SUP1 PLANT1
1000300 (20006271)	1,14M EUR	Quantity: 210,000 KG Share of Primary Emissions: 35 % Period Start Date: 15.06.2023 Period End Date: 09.06.2032 Boundary Condition: Cradle to Gate Country/Region of Supplier Plant: DE Region of Supplier Plant: BB Source of Emission Factor: Ecovadis Supplier Plant: SUP3 PLANT 1
1010 (20006257)	988,000,00 EUR	Quantity: 160,000 KG Share of Primary Emissions: 35 % Period Start Date: 15.06.2023 Period End Date: 26.06.2032 Boundary Condition: Cradle to Gate Country/Region of Supplier Plant: DE Region of Supplier Plant: BB Source of Emission Factor: Ecovadis Supplier Plant: SUP2 PLANT 1



New Business Processes and Functionalities

Product Sourcing*

- Sourcing manager requests carbon footprint information for the items that are sourced through sourcing projects
- Suppliers provide carbon footprint information at the item level through their quotations
- Sourcing manager can compare carbon footprint information submitted by multiple suppliers to choose carbon conscious suppliers for award decisions

The screenshot displays the SAP 'Compare Supplier Quotations' interface for 'Model X_AC Assy' (10007649). It compares three suppliers based on their carbon footprint data. The interface is organized into three columns, one for each supplier, showing their respective quotation details and carbon footprint metrics.

Supplier	Supplier Quotation	Total Amount	Carbon Footprint Data Provided
100 (20006270)	20006270 (1) Name: Sup1 Quotation Status: Submitted Business Partner: (1VEND)	1,06M EUR	200,000 KG 35 % 15.06.2023 30.06.2030 Cradle to Gate DE BB Ecovadis SUP1 PLANT1
1000320 (20006271)	20006271 (1) Name: Sup3 Quotation Status: Submitted Business Partner: (1000320)	1,14M EUR	210,000 KG 25 % 15.06.2023 09.06.2032 Cradle to Gate DE BB Ecovadis SUP3 PLANT 1
1010 (20006257)	20006257 (1) Name: Sup2 Quotation Status: Submitted Business Partner: (1010)	988,000,00 EUR	160,000 KG 35 % 15.06.2023 26.06.2031 Cradle to Gate DE BB Ecovadis SUP2 PLANT 1

Additional summary data for each supplier:

Supplier	Total Amount	Net Price	Target Amount	Deviation Percent
100	1,064,000,00 EUR	280,00 EUR	250,00 EUR	12 %
1000320	1,140,000,00 EUR	300,00 EUR	250,00 EUR	20 %
1010	988,000,00 EUR	260,00 EUR	250,00 EUR	4 %

The interface also includes a left sidebar with filters for '1 AC Assembly' and 'Plant 0001 Q8J', and a 'Manage Sourcing Projects' button in the bottom right corner.



New Business Processes and Functionalities

Self-Service Requisitioning

- The My Purchase Requisitions app is new with release 2023 and provides a quick, intuitive, and efficient shopping experience.
- Besides managing free text and material master-based purchase requests, the app tracks status and process flow of PRs. Other features are the confirmation of goods receipts and returns in case of issues or defects.
[Link to documentation “my purchase requisitions”](#)
- While SAP Ariba is the strategic platform for catalogs, a simple catalog functionality is also available here.
[Link to documentation “manage catalog items”](#)

The screenshot displays the SAP My Purchase Requisitions app interface. At the top, there is a search bar for products and navigation options like 'Create Item' and 'Create Limit Item'. Below this is a table titled 'My Recent Purchase Requisitions' with columns for Purchase Requisition, Number of Items, Status, Created On, and Total Value. The table lists several requisitions, with one selected (ID 10083409, 1 Item, Follow on Document Created). To the right, there is a 'My Catalogs' section showing 'Ariba Catalogue (Punch-out)'. Below the requisitions table, there is a 'Shop By Category' sidebar with various categories like 'Computers and IT equipment', 'Machinery and Tools', etc. The main content area shows a 'Catalog Home' with 'Promoted Items' including a Pavilion laptop, a Screw, and a Power Drive, each with its price and unit.

Purchase Requisition	Number of Items	Status	Created On	Total Value
john Peter 12/07/2023 Draft	0 Items	Saved	07.12.2023, 17:44:10	0,00
john Peter 12/07/2023 Draft	0 Items	Saved		
john Peter 12/07/2023 Draft	0 Items	Saved		
john Peter 12/07/2023 10083409	1 Item	Follow on Document Created		
john Peter 12/07/2023 10083408	1 Item	Approved		

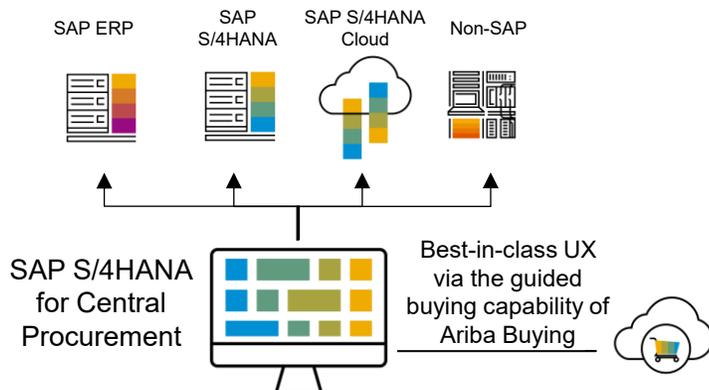


New Business Processes and Functionalities

Central Procurement

- In line with the improvements in Operational Procurement, Central Procurement processing takes full advantage of the new technical capabilities in SAP S/4HANA.
- As the hub instance for all centralized scenarios, no matter which operational systems are connected and which process steps are centralized, it replaces the corresponding functionality in classic SRM.

[Link to documentation](#)

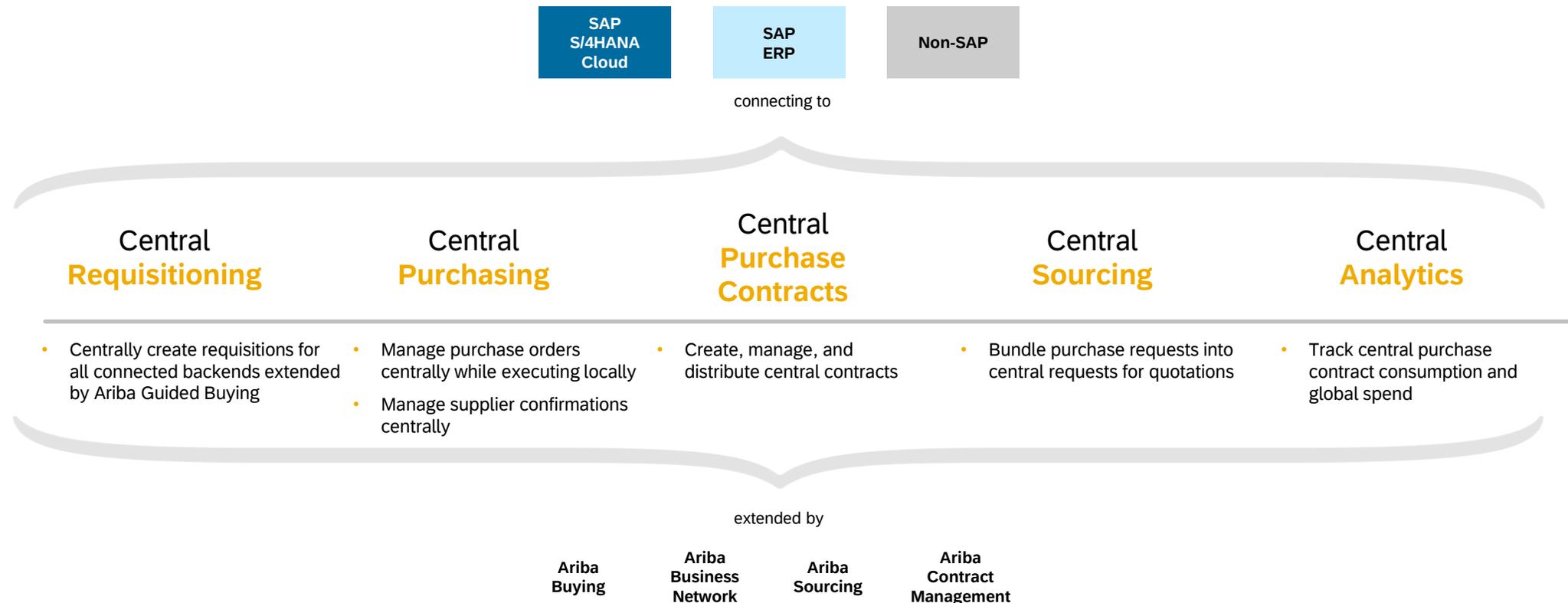




New Business Processes and Functionalities

Central Procurement

Central Procurement is the single command center for managing centralized procurement activities of all types: Requisitioning – Sourcing – Purchasing – Contracting – Analytics, forming the hub between multiple, potentially technically diverse backend ERP systems and the SAP Ariba product suite for Sourcing and Procurement.



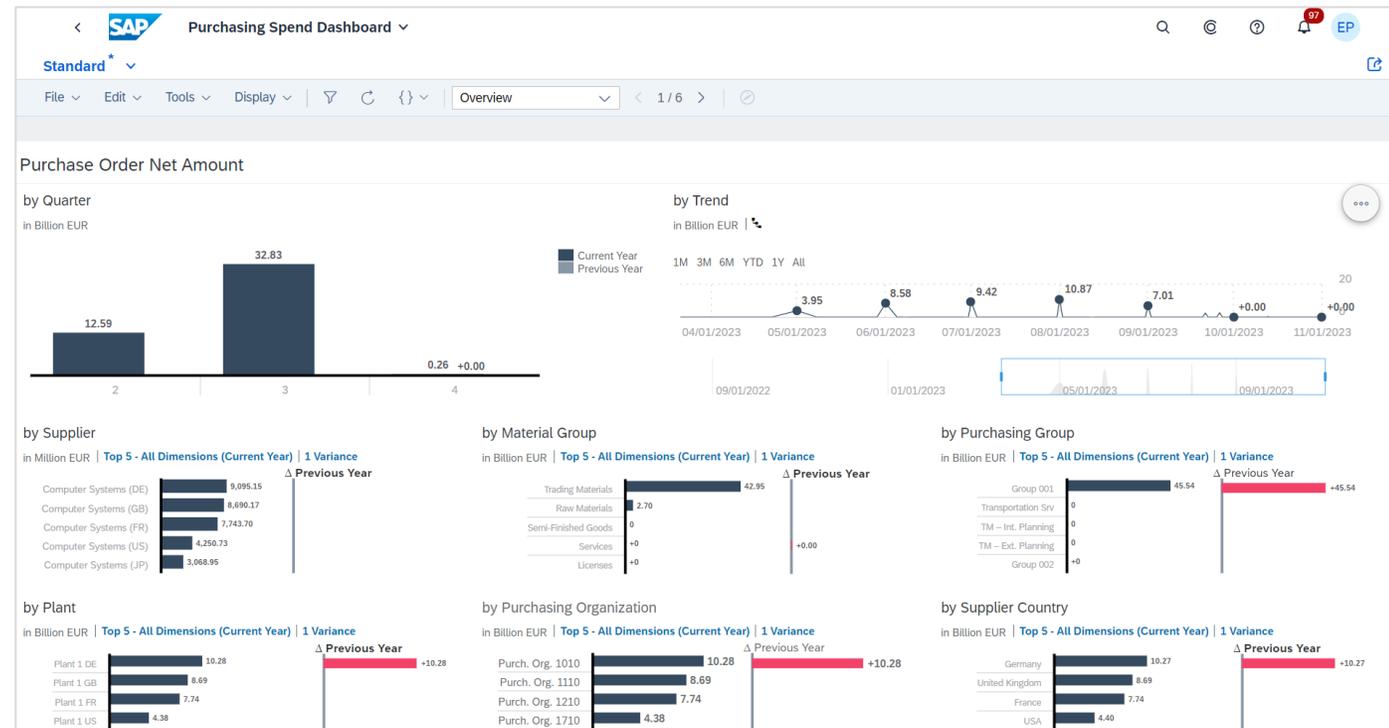


New Business Processes and Functionalities

Spend Visibility

- The Spend Visibility apps leverage S/4HANA Embedded Analytics to provide a multitude of configurable reports.
- They cover, out-of-the-box, typical sourcing & procurement reporting requirements like off-contract spend and contract leakage, invoice price variance, PO / scheduling agreement values, purchasing spend with a comprehensive set of perspectives (see screenshot), spend variance for PO / goods receipt / invoice receipt values, etc.

[Link to documentation](#)





New Business Processes and Functionalities

Classification and Segmentation

- A new entity “purchasing category” was introduced in SAP S/4HANA
- It allows to classify and segment by multiple criteria, giving the transparency to continuously determine the right mix of suppliers and reduce the overall supply risk
- The purchasing category can be applied to suppliers, material groups and activities, as a “bracket” to get a holistic picture of a category

[Link to documentation](#)

SAP Purchasing Category

Test purchasing Category (Test_Purchasing_Category)

11

General Information Suppliers Activities Material Groups Planned Spend

Basic Data **Supplier Information**

Responsible: Paul Peterson Status: Active Total Number: 1 Preferred: 0 Blocked: 0

Suppliers

Standard

Supplier	Address	Preferred S...	Strategic Pa...	Overall Sc...	Spend (12 Months)
Domestic US Supplier 1 (17300001)	198 S Ohio Ave, Muncie IN 47305-2757, USA	No	No	0	0,00 USD

Activities

Standard

Activity	Responsible	Status	End Date	Open Tasks	Total Tasks
No items available.					

Material Groups

Standard*

Material Group	Assigned Materials	Spend (12 Months)
Mineral and Textile (11000000)	1	0,00 USD
Chemicals including (12000000)	0	0,00 USD



New Business Processes and Functionalities

Product Compliance in Procurement

- Product Compliance in the sourcing & procurement context ([link to documentation](#)) means (a) ensuring that the supplier is validated for the product, (b) checking Safety Data Sheet compliance in intercompany stock transfers, and (c) ensuring transportation / dangerous goods compliance in intra-/intercompany stock transfers as well as POs with transport responsibility.
- The new Product Compliance solution in SAP S/4HANA is integrated with purchase orders, purchase contracts and purchasing info records. Fields showing the product compliance statuses are available on header and item level, if the product is marked as relevant for compliance.
- If no supplier assessment exists for the product, a compliance request for the product stewardship specialist is triggered to create an assessment of the supplier.

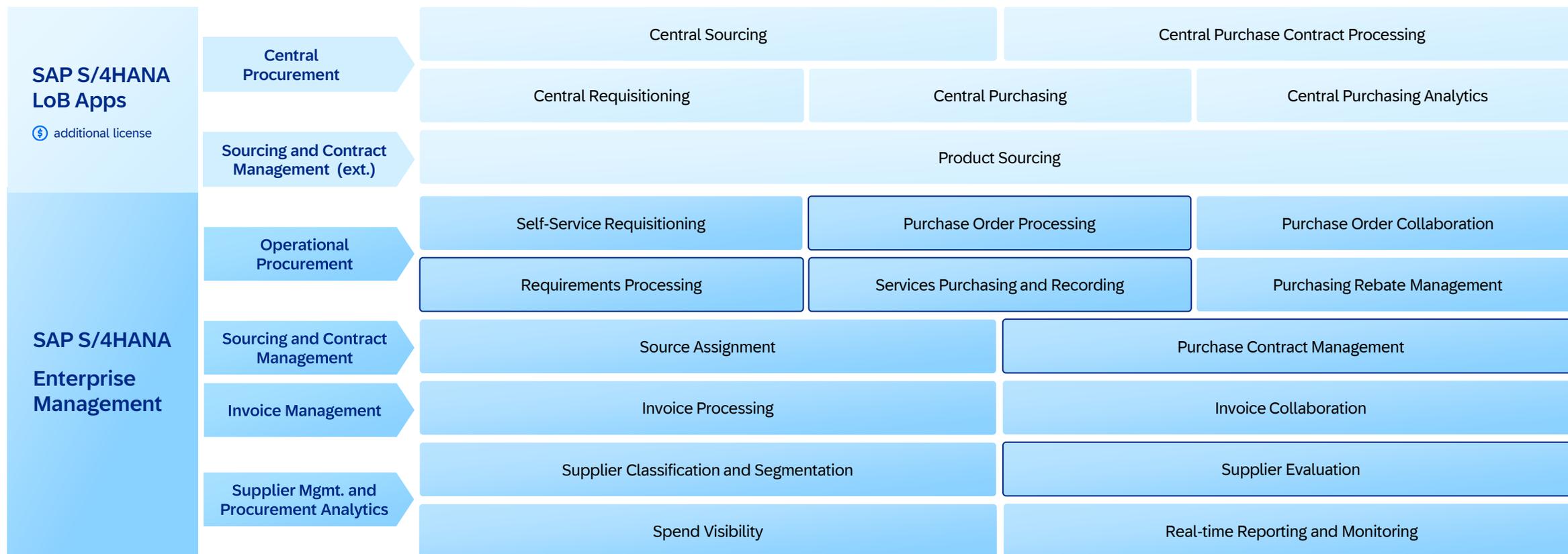
[Link to documentation \(purchase orders\)](#)

[Link to documentation \(info records\)](#)

The image displays three overlapping screenshots of the SAP Product Compliance interface. The top-left screenshot shows the 'Raw Material - Basic Compliance Data' for 'P04 Solvent Mix'. It includes a table of suppliers with columns for Supplier Name, External Product Number, External Product Name, and Supplier Status. The table lists 'BasChem' (Blocked) and 'ChemTrade' (In Progress). The bottom-left screenshot shows 'Compliance Information - For Products' for 'P69 WHO hygienic handrub(bt1e 12x700ml)'. It features a world map with color-coded regions (green for allowed, orange for restricted, grey for forbidden) and a legend for transport permissions. The bottom-right screenshot shows 'Compliance Information - For Products' for 'OP22-01 WHO handrub FG 401'. It also features a world map and a pop-up window for 'Safety Data Sheet - Türkiye' with a 'Send' button.



Updated Business Processes Business Area and Business Capability Overview



Updated business capabilities in SAP S/4HANA



Updated Business Processes and Functionalities

Services Purchasing and Recording

- Purpose of service entry sheets is to record to which degree ordered services have been delivered. Basis therefore is always a PO. SES can be created manually in SAP S/4HANA or uploaded from external applications. Limited items are created for unplanned services, when the exact service scope is unclear at the start (e.g. repair work).
- Consumable materials (used during the execution of a service and planned together with a service in the reference PO), can be recorded in a service entry sheet.
- Automatic, one-step, or multi-step approval workflows for SES can be defined in Flexible Workflow.

[Link to documentation](#)

[Link to blog “SAP Service Procurement – Transforming from Complex to Collaborative”](#)

[Link to “service procurement with Fieldglass” documentation](#)

The screenshot displays the 'Process Flow' section of the SAP Service Entry Sheet. It shows a sequence of four steps: Requirements Processing, Ordering, Service, and Goods Receiving. Each step is represented by a circular icon and a corresponding document type with its ID. The 'Requirements Processing' step is linked to a Purchase Requisition (18965917/00020) with a 'Release Completed' status. The 'Ordering' step is linked to a Purchase Order (4503166954/00020) with a 'Follow-On Documents' status. The 'Service' step is linked to the Service Entry Sheet (9486/0001) with a green checkmark. The 'Goods Receiving' step is linked to a Goods Receipt (5001612476/0001) with a 'Completed' status. The interface also shows a search bar and navigation tabs for General Information, Items, Notes, Attachments, Process Flow, and Approval Details.

The screenshot displays the 'Items' section of the SAP Service Entry Sheet. It shows a table with four rows of items. Each row includes the Purchase Order number, Product, Item Description, Product Type Group, Ordered quantity, Performance Period, Service Performer, and Stated Quantity. The 'Ordered' column shows a bar chart indicating the expected and stated quantities. The 'Performance Period' column shows the date range for each item. The 'Service Performer' column shows the name of the service provider. The 'Stated Quantity' column shows the quantity recorded in the service entry sheet.

Purchase Or...	Product	Item Description	Product Type Group	Ordered	Performance Period	Service Performer	Stated Quantity
10		SSAC_LeanService_001	Service (2)	Expected: 6 EA Stated: 1 EA	09.11.2021 - 09.11.2021		1,000 EA
20		material	Material (1)	Expected: 30 EA Stated: 5 EA	30.04.2021 - 30.04.2021		5,000 EA
20		material	Material (1)	Expected: 30 EA Stated: 5 EA	30.04.2021 - 30.04.2021		5,000 EA
20		material	Material (1)	Expected: 30 EA Stated: 5 EA	30.04.2021 - 30.04.2021		5,000 EA

The interface also shows the 'Basic Data' section with fields for Name of Service Entry Sheet, Reference Purchase Order, Posting Date for Goods Receipt, Created On (Time Stamp), and Created By. The 'Notes' section is currently empty.



Updated Business Processes and Functionalities

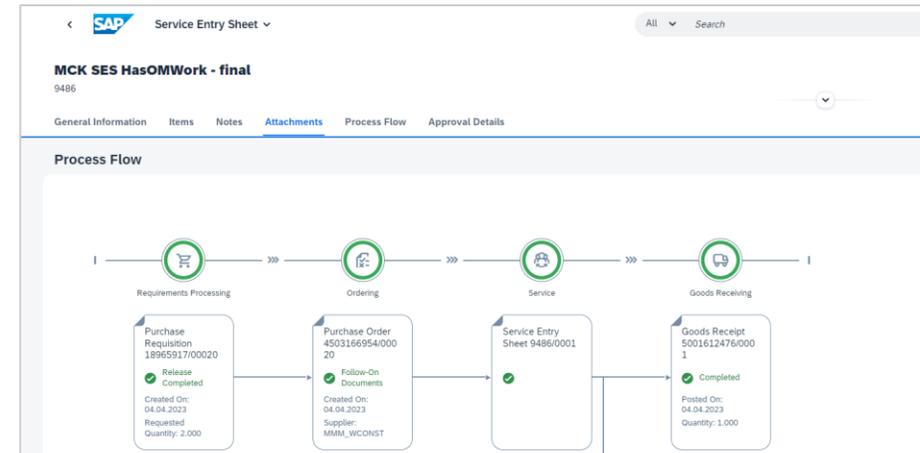
Services Purchasing and Recording

- With SAP S/4HANA a new material master concept is introduced. The master data elements are now being represented as product types. The new material and service master are now based on the same data structure which allows end user to confirm services and materials on one single Fiori app.
- Service entry sheets can be created manually in SAP S/4HANA or uploaded from external applications. Limited items are created for unplanned services, when the exact service scope is unclear at the start (e.g. repair work).
- Automatic, one-step, or multi-step approval workflows for SES can be defined in Flexible Workflow.

[Link to documentation](#)

[Link to blog “SAP Service Procurement – Transforming from Complex to Collaborative”](#)

[Link to “service procurement with Fieldglass” documentation](#)



Purchase Or...	Product	Item Description	Product Type Group	Ordered	Performance Period	Service Performer	Stated Quantity
10		SSAC_LearnService_001	Service (2)	Expected: 6 EA Stated: 5 EA	09.11.2021 - 09.11.2021		1,000 EA
20		material	Material (1)	Expected: 10 EA Stated: 8 EA	30.04.2021 - 30.04.2021		5,000 EA
20		material	Material (1)	Expected: 10 EA Stated: 8 EA	30.04.2021 - 30.04.2021		5,000 EA
20		material	Material (1)	Expected: 10 EA Stated: 8 EA	30.04.2021 - 30.04.2021		5,000 EA



Updated Business Processes and Functionalities

Services Purchasing and Recording

- Leverage Model Product Specifications to create and categorize structured sets of related service and material items. Group items that are frequently ordered together to complete a particular task. Use model product specifications as templates to create purchasing documents, such as purchase contracts
- Easy mass creation/change of model product specifications, based on spreadsheets, is possible with up to five levels of item hierarchies, comprising products and/or services and free text

[Link to documentation](#)

[Link to Blog "Service Procurement – Import of Model Product Specifications"](#)

[Link to Blog "Service Procurement – Item Hierarchies"](#)

Single Family House Construction Project

000000010
Activation Status: Active

General Information Items

Basic Data		Administration	
ID: Single Family House Construction Project (000000010)	Search Term: Construction EFH	Language: English (EN)	Created On: 13.07.2023, 11:29:46
Name: Single Family House Construction Project	Grouping Code: Internal Number Assignment (INT)	Created By: f	Changed On: 21.09.2023, 09:35:30

Items

Model Product Specification Items Standard*

Hierarchy Number	Plant	Item Set	Description	Product	Product Type Group	Material Group	Quantity	
> 1		Yes	Foundation					>
> 2		Yes	Super Structure					>
> 3		Yes	Finishing					>
∨ 4		Yes	Maintenance					>
4.1	Plant 1 DE (1010)	No	Maintenance Plumbing		Material (1)	Services (P001)	100 EA	>
4.2	Plant 1 DE (1010)	No	Maintenance Electricals Services		Service (2)	Services (P001)	100 EA	>
4.3	Plant 1 DE (1010)	No	Maintenance Electricals Materials		Material (1)	Services (P001)	100 EA	>



Updated Business Processes and Functionalities

Services Purchasing and Recording

Transition from MM-SRV to Lean Services

- Enable users to download an Excel template and upload service entry sheets (SES) in the SAP Fiori app “Manage Service Entry Sheets – Lean Services”
- Inclusion of the model product specifications search help into the SAP Fiori app "Manage Purchase Requisitions - Professional“
- Create the Service Entry Sheets non-valuationed and post the costs only with the supplier invoice
- For limit purchase orders, and lean services ordered via these limit purchase orders, it is now possible to split the account assignment using the amount-based distribution.
- Mapping of document types and migration of master data, service purchase order, service purchase requisition to Lean Services

The screenshot shows the SAP Fiori app interface for 'Manage Service Entry Sheets'. At the top, there are search and filter options. Below that, a table lists several Service Entry Sheets. The 'Import' button in the top right of the table is highlighted with a red box.

Service Entry Sheet	Supplier	Reference Purchase Order	Stated Amount Including Input Tax	Stated Amount	Created On (Time Zone)	Number of Service Entry Sheet
1604	Carrier T42_CARR01 (T42_CARR01)	4500008399	82,41 EUR	82,41 EUR	14.10.2025, 08:06:54	6100007850
1600	Foreign Supplier 50 (US) (10300050)	4500008381	1,00 USD	1,00 USD	10.10.2025, 12:29:48	ses_test_123
1599	Foreign Supplier 50 (US) (10300050)	4500008381	1,00 USD	1,00 USD	10.10.2025, 10:24:18	ses_test_123
1598	Foreign Supplier 50 (US) (10300050)	4500008381	1,00 USD	1,00 USD	10.10.2025, 09:16:43	ses_1234
1596	Dynamic Discounting Payable Financ. (10300001)	4500008352	1.000,00 EUR	1.000,00 EUR	08.10.2025, 10:14:22	4500008352_2

The screenshot shows the 'Account Assignment' screen in SAP Fiori. A dropdown menu for 'Distribution' is open, showing options: 'Single Account Assignment', 'Distrib. on Quantity Basis', 'Distribution by Percentage', and 'Distribution by Amount'. The 'Distribution by Amount' option is highlighted with a red box.

S...	A...	Quantity	Perce	Net Value	G/L Acct	SNo.	WBS Element
1				8.000,00			

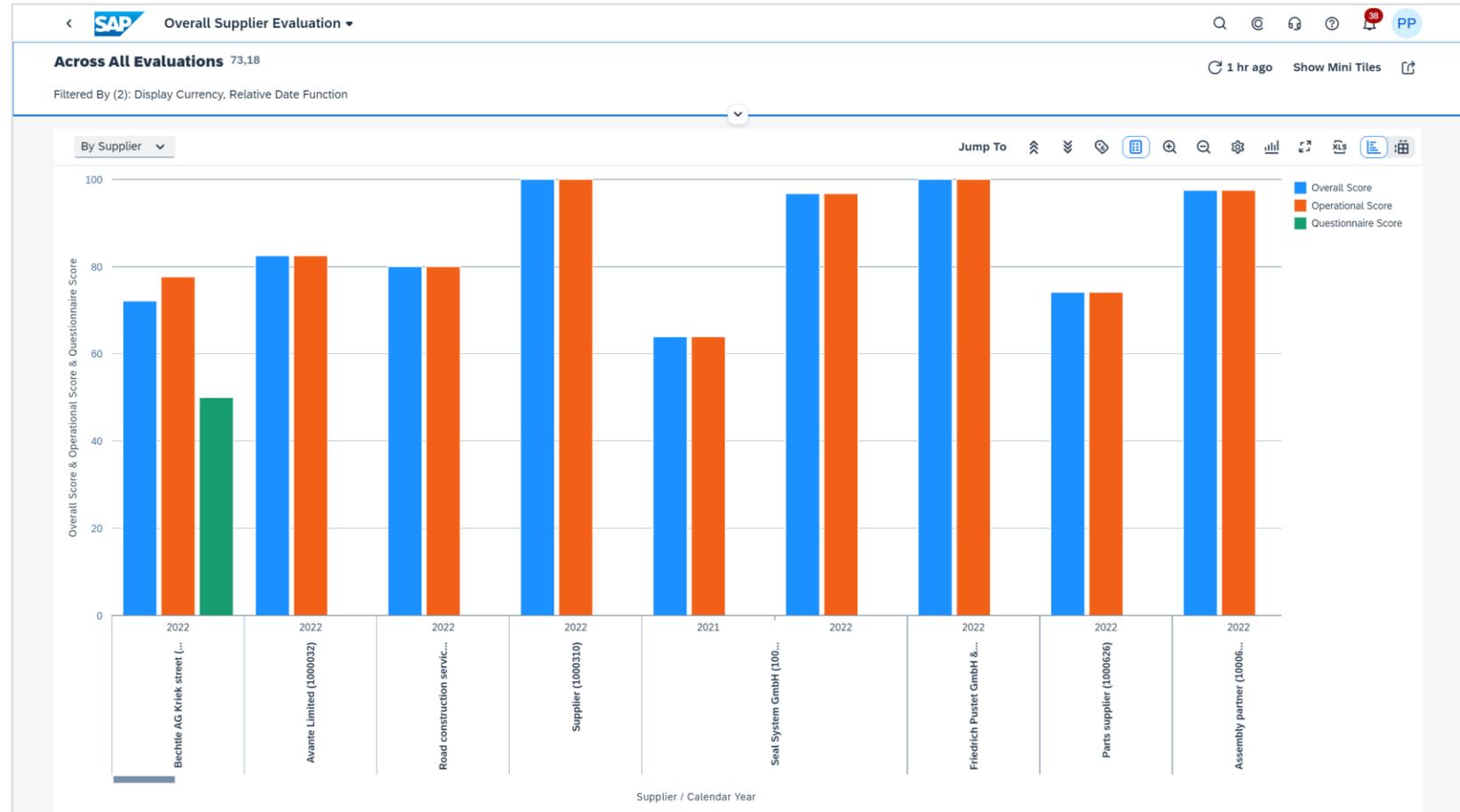


Updated Business Processes and Functionalities

Supplier Evaluation

- The supplier evaluation functionality in SAP S/4HANA was built on a completely new technical base to fully leverage the new architecture and performance for real-time analytics
- Next to pre-delivered criteria for time, price and quantity variance, custom specific criteria can be defined with individual weighting and scoring
- Real-time supplier evaluation analytics are automatically generated from transactional data

[Link to documentation](#)



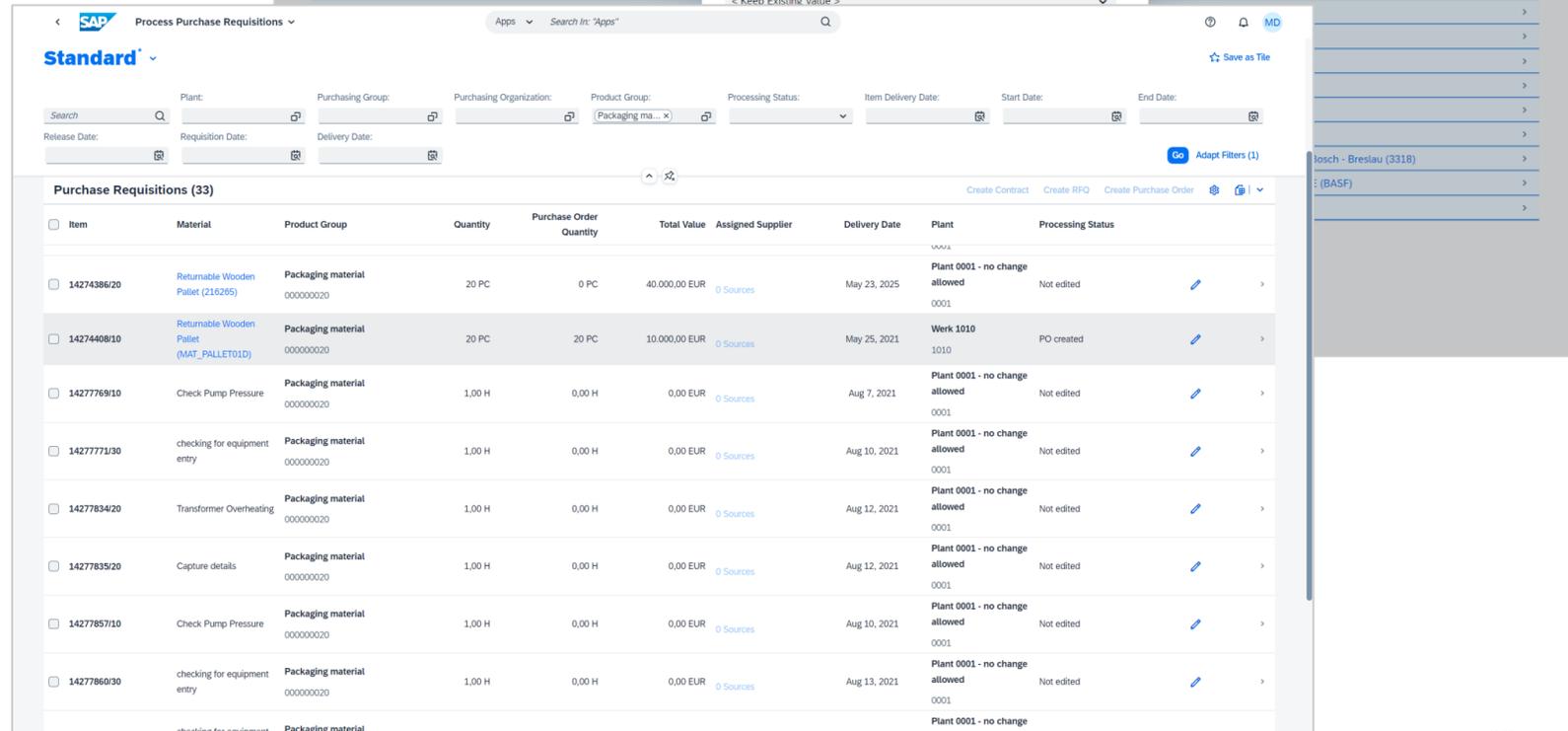
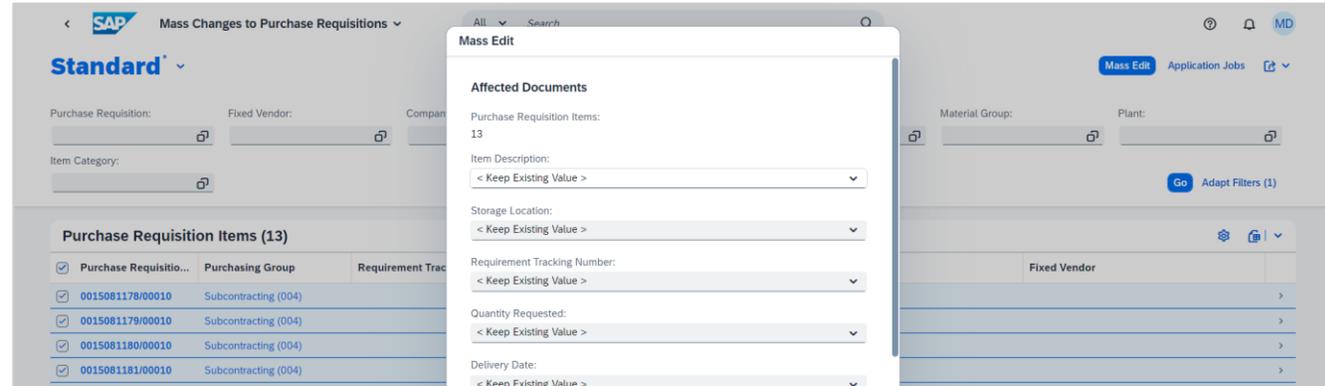


Updated Business Processes and Functionalities

Requirements Processing

- The Manage/Process Purchase Requisitions Fiori app allows editing / viewing / converting PRs with an unprecedented level of efficiency.
- Purchase Requisitions are processed in SAP S/4HANA with the Flexible Workflow, no longer with the application-specific release strategy mechanism known in ECC.
- Mass changes of purchase requisitions and their monitoring are supported by dedicated Fiori apps

[Link to documentation](#)





Updated Business Processes and Functionalities

Purchase Order Processing

- The apps “Manage Purchase Orders” and “Monitor PO items” leverage all Fiori capabilities to efficiently search and manage purchase orders / items, by sorting, filtering and grouping the list, for example, by supplier, plant, or purchase order date.
- The same highly efficient “mass changes” and “monitor mass changes” apps as for requisitions and contracts are available for POs.
- All workflow requirements for POs are covered by the SAP S/4HANA Flexible Workflow,
- A range of apps like “create purchase order – advanced” or “display purchasing documents by...” deliver a user experience consistent with classic ME transactions.

[Link to documentation](#)

The screenshot displays the SAP Fiori 'Monitor Purchase Order Items' application. The top section features a bar chart titled 'Purchase Order Items' showing values for various material groups. Below the chart is a table listing 3,406 purchase order items. The main view shows a detailed purchase order for document number 4503168766, including its status (Sent), purchase order date (01.08.2023), and net value (99,900.00 EUR). The 'Items' section shows a table with one item: Adnan's BTC-SN iPhone (iPhone_A_BTC_SN) with an order quantity of 100. The 'Limit Items' section is currently empty. The 'Delivery and Invoice' section shows payment terms of 'Payable Immediately' and a fixed exchange rate of 1.00000.



Updated Business Processes and Functionalities

Purchase Contract Management

- Purchase Contract Management in SAP S/4HANA relies on the same foundational elements which were applied for all purchasing documents.
- Fiori apps for mass changes / monitoring of mass changes, monitoring contract items etc. ensure a highly efficient management of all value and quantity contracts, with the item categories for standard, consignment, subcontracting and material group processes.

[Link to documentation](#)

Mass Changes to Purchase Contracts

Mass Edit

Affected Documents: Purchase Contract Headers: 3, Purchase Contract Items: 0

Header Fields:

- Payment Terms: < Keep Existing Value >
- Purchasing Group: < Replace Field Value >
- Exchange Rate: < Keep Existing Value >
- Fixed Exchange Rate: < Keep Existing Value >

Monitor Purchase Contract Items

2 filters active: Display Currency, Valid From

Purchase Contract Items

Material Group

Material Group	Total Value (EUR)	Released Value (EUR)
Tools (01)	173,25K	18,1K
Trading Materials (L001)	45,76K	0
Raw Materials (L002)	17,02K	0
Services (02)	5,25K	25
0001	1,6K	0
AV Material Group (AVMG)	1K	0
SHIRT (000000001)	121	0
001	100	0

Purchase Contract Items (103)

Purchase Contract	Item	Material	Material Group	Target Quantity	Net Price	Price Unit	Total Value	Released Value	Vali
4600003749	10	PP_KAB_TEST_20230804055552.1531580_1 tes (PP_KA...	Tools (01)	1,000	5,00	EUR	5,000,00	700,00	Valid
4600003649	10	PP_KAB_TEST_20230703062455.9727620_1 tes (PP_KA...	Tools (01)	1,000	5,00	EUR	5,000,00	600,00	Valid
4600003651	10	PP_KAB_TEST_20230704063559.6388500_1 tes (PP_KA...	Tools (01)	1,000	5,00	EUR	5,000,00	600,00	Valid
4600003657	10	PP_KAB_TEST_20230705101128.4214330_1 tes (PP_KA...	Tools (01)	1,000	5,00	EUR	5,000,00	600,00	Valid
4600003663	10	PP_KAB_TEST_20230707132455.1172140_1 tes (PP_KA...	Tools (01)	1,000	5,00	EUR	5,000,00	600,00	Valid
4600003665	10	PP_KAB_TEST_20230710083227.5106520_1 tes (PP_KA...	Tools (01)	1,000	5,00	EUR	5,000,00	600,00	Valid
4600003668	10	PP_KAB_TEST_20230711053243.8122610_1 tes (PP_KA...	Tools (01)	1,000	5,00	EUR	5,000,00	600,00	Valid
4600003679	10	PP_KAB_TEST_20230712053443.8213010_1 tes (PP_KA...	Tools (01)	1,000	5,00	EUR	5,000,00	600,00	Valid
4600003682	10	PP_KAB_TEST_20230713053109.9903520_1 tes (PP_KA...	Tools (01)	1,000	5,00	EUR	5,000,00	600,00	Valid
4600003685	10	PP_KAB_TEST_20230713130318.1289950_1 tes (PP_KA...	Tools (01)	1,000	5,00	EUR	5,000,00	600,00	Valid
4600003686	10	PP_KAB_TEST_20230713135950.1833500_1 tes (PP_KA...	Tools (01)	1,000	5,00	EUR	5,000,00	600,00	Valid
4600003694	10	PP_KAB_TEST_20230714055134.1824860_1 tes (PP_KA...	Tools (01)	1,000	5,00	EUR	5,000,00	600,00	Valid
4600003699	10	PP_KAB_TEST_20230717053014.1230060_1 tes (PP_KA...	Tools (01)	1,000	5,00	EUR	5,000,00	600,00	Valid
4600003705	10	PP_KAB_TEST_20230718054844.4598140_1 tes (PP_KA...	Tools (01)	1,000	5,00	EUR	5,000,00	600,00	Valid
4600003712	10	PP_KAB_TEST_20230719054610.0305560_1 tes (PP_KA...	Tools (01)	1,000	5,00	EUR	5,000,00	600,00	Valid
							244,105,00	EUR	



Updated Business Processes and Functionalities

Purchase Contract Management

- Versioning in purchase contracts: ability to compare versions along with pricing information
- Compare changes between two document versions with respect to version-relevant fields
- Compare changes in pricing information from the historical document to the present, active document

Hydraulic cylinder assembly
4600052777

General Information | Delivery and Payment | Reference | Header Conditions | Items | Partner | Output Control | **Legal Transactions** | Approval Details | Product Compliance | Version History | Consumption and Leakage

Approval Details

Workflow Steps

Type	Name	Status	Processors	Recipients	Is Optional Step
1.	Automatic Release of Purchase Contract	Step completed	Workflow System	The recipients are determined automatically.	

Product Compliance

Status

Product Compliance Supplier Check:
OK – Not Relevant

Version History (3) Standard

Version	Type	Name of Supplier	Created By	Created On	Reason
Active Document (2)	Active Document	Inlandslieferant DE 1	Example Purchaser	2024/09/20	Revised Product
Historical Document (1)	Historical Document	Inlandslieferant DE 1	Example Purchaser	2024/09/20	Validity Extension
Historical Document (0)	Historical Document	Inlandslieferant DE 1	Example Purchaser	2024/09/20	

Consumption and Leakage
Release Order Documents

[Link to documentation](#)

Compare Versions of Contract 4600052777

Attribute	Version 2 (Active Document)	Version 1 (Historical Document)
Header		
Valid To	20/09/2027	20/09/2026
Reason for New Version	Revised Product (0003)	Validity Extension (0002)



Out-of-the-Box Integration SAP Ariba - Example integration scenarios

- Leverage **Business Network and the intuitive guided buying capability** integrated with SAP S/4HANA core procurement processes.
- Leverage **digital handshakes** between the **buyer and supplier** to take more control of your business network in procurement.
- **Generate sourcing request** out of SAP S/4HANA and conduct sourcing events within Ariba. Bring the outcomes back to SAP S/4HANA core procurement processes as **info records or contracts**.
- **Resources:**
 - Central entry page <https://help.sap.com/docs/ariba-cloud-integration>
 - S/4HANA docu https://help.sap.com/docs/SAP_S4HANA_ON-PREMISE/754a46a305c642559f21625ca2744170/593e4f56c10fc74ee10000000a44147b.html

SAP S/4HANA

Buyer

Request for Quotation/
Supplier Quotation

Purchase Order

Invoice

Payment

SAP Ariba

Supplier



Request for Quote
Quote / Award

Source, Bid, Collaborate
Manage Catalogue Content
(punch out)

Purchase Orders
PO confirmation

Order
Collaboration

Ship Notice
Goods Receipts
Service Entry Sheets

Legal Contracting
Shipping info, tracking

Invoices
CC-Invoice; MM invoices

Invoice Creation
Invoice Collaboration

Invoice Status Update

Discount
Management

Payment Proposal

Early Payment

Invoice
Collaboration

Remittance Advice



Out-of-the-Box Integration SAP Fieldglass

Business Partner Integration

- Replicating Business Partner vendors from SAP S/4HANA to SAP Fieldglass

Master Data Integration

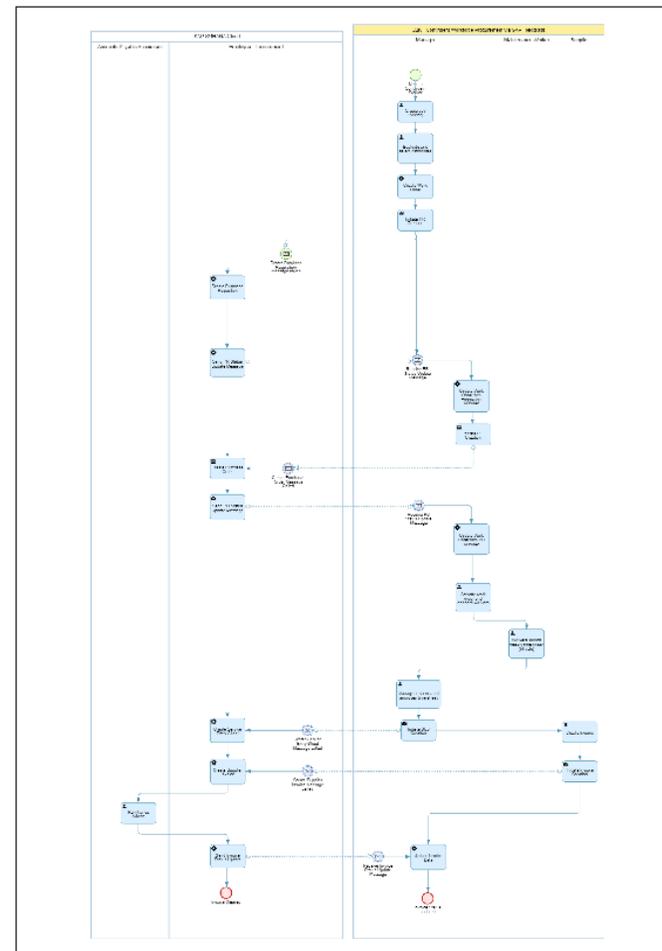
- Replicating master data from SAP S/4HANA to SAP Fieldglass
- S/4HANA objects: company code, purchase org, plant, cost center, WBS, internal order, sales order, GL accounts

Transactional Data Integration

- Creating transactional data integrations from SAP Fieldglass to SAP S/4HANA
- Scenario Lean Service Procurement
- https://me.sap.com/processnavigator/SolS/EARL_SolS-055/2022/SolP/22K?region=DE

Resources:

- Overview [SAP Fieldglass and SAP S/4HANA Integration](#)
- API hub: [Overview | SAP S/4HANA Integration with SAP Fieldglass | SAP Business Accelerator Hub](#)





Compatibility Packs in Sourcing & Procurement

- CP IDs 425: FI-TV Travel and Expense
 - Implementation aspects:
 - On-premise: S/4HANA customers can use classic FI-TV as compatibility pack until the end of 2025. The functionality has been adopted to S/4HANA product standards with release 2022. FI-TV functionality on releases 2021 and older does not have these S/4HANA product qualities and therefore falls under compatibility pack rules = use right expiry in 2025. Customers who want to keep using FI-TV after end of 2025 must upgrade their productive system(s) to release 2022 or higher and activate “H4S4” by the end of 2025.
 - Licensing:
 - On-premise: Classic travel & expense is covered by Productivity Use.
 - Private Cloud: FI-TV can be subscribed via the SKUs “8016042 SAP Travel Management for SAP S/4HANA cloud, private edition” or **TBD** for Tailored Option.
- Relevant information
 - Business impact note: [2976262 - S4TWL – SAP Travel Management in SAP S/4HANA Compatibility Scope - SAP for Me](#)
 - Simplification item: [https://me.sap.com/sic/itemSet\('6CAE8B3EA08B1ED795E717ED2207E0C6','false'\)](https://me.sap.com/sic/itemSet('6CAE8B3EA08B1ED795E717ED2207E0C6','false'))
 - More details available via the “WayForward” excel in <https://me.sap.com/notes/2269324>

R&D



[Agenda](#)



SAP Cloud ERP Private differentiators

SAP HANA and Embedded Analytics



SAP HANA and Real-time Analytics

Project Control

- Network Activity Overview
- Material Component Overview
- Network Overview
- WBS Element Overview
- Milestone Overview
- Project Definition Overview
- Project Cost Report - Overview
- Project Cost Report - Line Items
- Manage Project Procurement
- Project Cost Overview
- Project Cost Line Items

Portfolio and Project Management

- My Projects - Project Manager
- Multiproject Overview
- Billing and Receivables Overview
- Single-Project Overview
- Procurement Overview

Product Lifecycle Management

- Variant Configuration Overview
- Recipe Finder
- Recipe Analysis - By Source
- My Recipe Overview
- Recipe Analysis - By Search Item Quantity
- Recipe Analysis - Header Data
- Engineering Cockpit

Product Compliance

- Analyze Packaged Dangerous Goods
- Analyze Unpackaged Dangerous Goods
- Impact of Monitoring Lists on Suppliers
- Impact of Monitoring Lists on Production
- Impact of Monitoring Lists on Sales
- Analyze Marketability Assessments



SAP HANA and Real-time Analytics Financial Planning Table ACDOCP

- In addition to the classical CO tables the ACDOCP table is available in Finance to store financial plan data. Selected advantages of ACDOCP:
 - Consistency with universal journal table ACDOCA
 - Basis for new CDS view / Fiori based reports
 - Integrated Financial Planning with SAP Analytics Cloud (SAC) Functionality
- Current example usages in EPPM in SAP S/4HANA On-Premise:
 - Periodic (integrated) planning of WBS elements in SAC
 - CSV file upload of planned costs / revenues
 - Network Costing
 - Easy Cost Planning for projects
 - New Sales Pricing Source
 - Project Cost Reports

The image displays two screenshots from the SAP S/4HANA interface. The top screenshot shows the 'Project Cost Overview' for 'CEI_DEMO'. It features a table with columns for Object ID, Object Description, and various cost metrics (Add. Plan Cat. Costs, Plan Cat. Costs, Actual Costs, and Variance). The bottom screenshot shows 'Project Costs - Line Items' for 'Standard'. It includes a bar chart for 'Line Items' comparing planned and actual costs across fiscal periods (Nov 2022 and Feb 2023). Below the chart is a detailed table of line items with columns for Object ID, Object Description, Object Type, GL Account, and various cost values.

[Link to documentation](#)



SAP Cloud ERP Private differentiators

Data Products and Intelligent Applications



Data products

Explore a range of data products within Business Data Cloud designed to help businesses manage, analyze, and leverage their data.

These products include curated datasets, data integration tools, and analytical applications, all of which aim to enable data-driven decision-making.

[Available data products](#)

 Data Product Sales Bill Of Material Data Product Sales Bill Of Material Version 1.0.0 ACTIVE	 Data Product Work Breakdown Structure Bill Of Material Data Product Work Breakdown Structure Bill Of Material Version 1.0.1 ACTIVE	 Data Product Bill Of Material Configuration Data Data Product Bill Of Material Configuration Data Version 1.0.1 ACTIVE	 Data Product Change Master Data Product Change Master Version 1.1.1 ACTIVE
 Data Product Bill Of Material Data Product Bill Of Material Version 1.0.1 ACTIVE			



SAP Cloud ERP Private differentiators

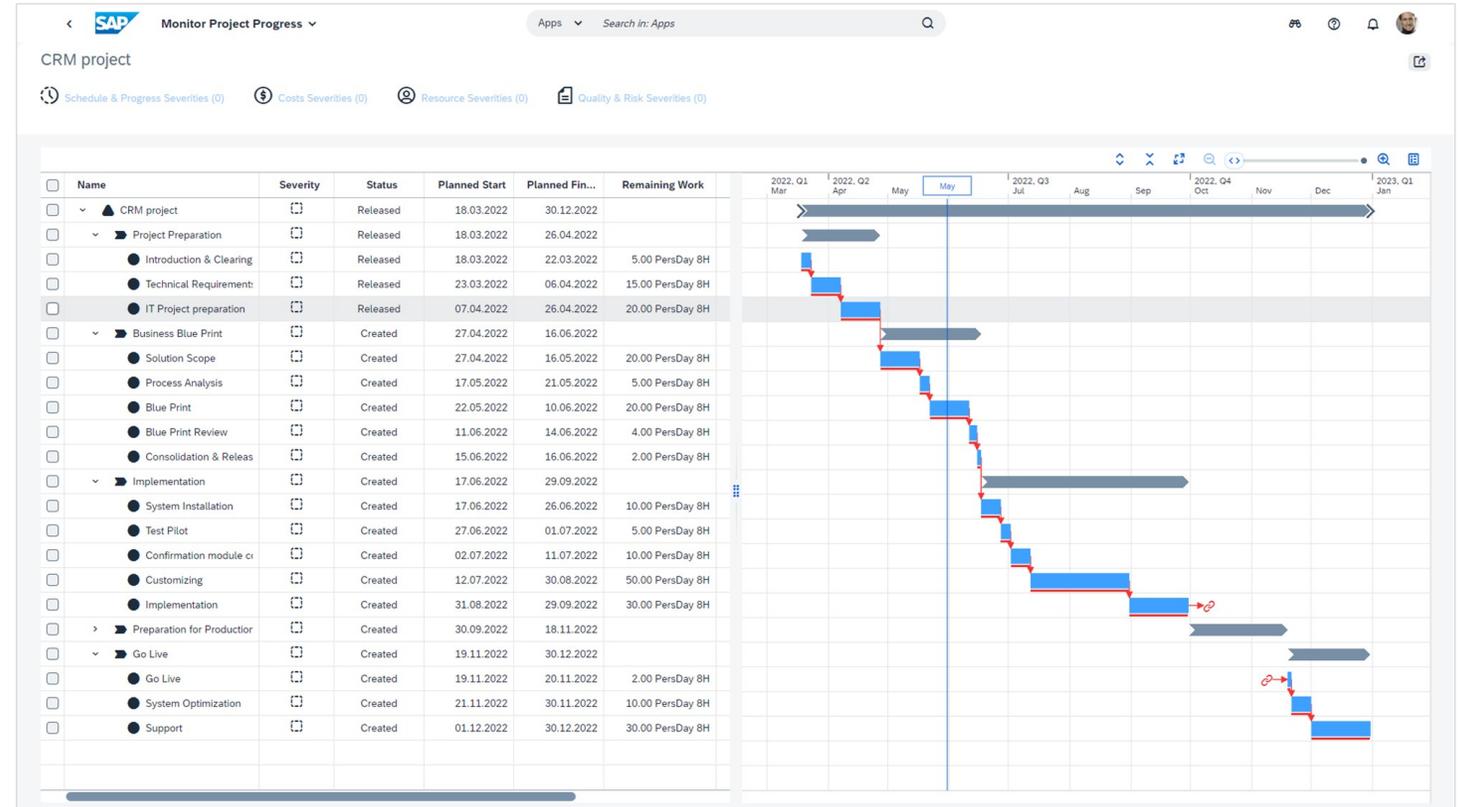
SAP Fiori



SAP Fiori HTML5/UI5 based GANTT Charts in Project Management

Monitor Project Progress

- Graphical chart (Gantt) and table to display a project
- Highlight alerts based on business rules
- Navigate to causing project element
- Contextual navigation for editing or viewing projects
- Aggregated display of milestones
- Replacement of JGANTT (Java Applet) in Project Management
- Multi Project Monitor based on UI5 GAN



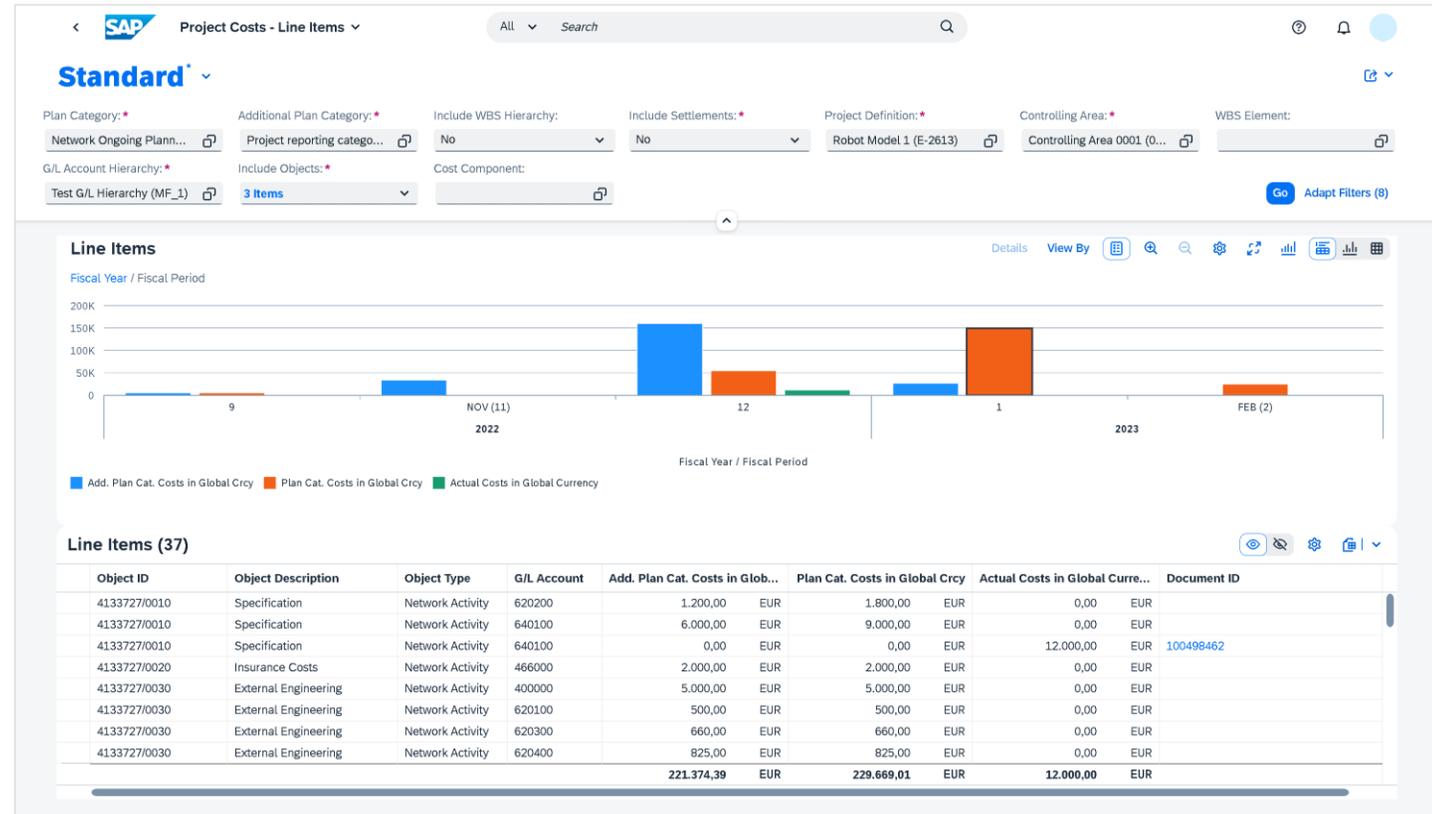
[Link to documentation](#)



SAP Fiori Enterprise Portfolio and Project Management

Project cost overview and Project cost line items

- Enhance project reporting to include order and network costs
- Usage of accounting hierarchy for G/L account selection
- Easier access to variances from project plan that facilitates follow-up activities
- Integrates project financial planning for networks into SAP S/4HANA there by facilitating better financial planning



[Link to documentation](#)



SAP Fiori Bill of Material Enhancements

- Enhancements to BoM driving efficiency in product development
- Understand the similarities and differences between two bills of materials (BoMs) and expedite decision making by leveraging BOM comparison analytics summary in the new SAP Fiori app Compare Bills of Material
- Introduction of new item type in BoMs to allow describing the bespoke engineered components without having the need to create material masters, providing the flexibility in early product development phase to create placeholders in BoMs
- Reviewing of multi-level BoMs across plants/usages

Multilevel Comparison Results
V-ENGINE-01, V-ENGINE-02

Component	Description	C...	Quantity/Unit	Component	Description	C...	Quantity/Unit
ENGINE_BLOCK	Engine_Block		1 PC	ENGINE_BLOCK	Engine_Block		1 PC
BELT_PULLY_01	BELT_PULLY_01		1 PC	BELT_PULLY_01	BELT_PULLY_01		2 PC
BELT_PULLY_02	Belt_Pully_02	*	1 PC	VALVE_COVER_PR...	VALVE_COVER_PRFRM	*	2 PC
VALVE_COVER	Valve_Cover	*	2 PC	EXHAUST_VALVE	Exhaust_Valve		16 PC
EXHAUST_VALVE	Exhaust_Valve		16 PC	CAM_SHAFT	Cam_Shaft		2 PC
CAM_SHAFT	Cam_Shaft		2 PC				
BELT	Belt		1 PC				
DRIVE_BELT	Drive_Belt		1 PC				
FUEL_LINE_LEFT	Fuel_Line_Left		1 PC				

Common Components
Total: 18
Similar: 18
With Differences: 0

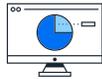
Unique Components
Total: 3
BOM 1: 2
BOM 2: 1

Manage Multilevel Bill of Material
V-ENGINE-01
Plant: Plant 1 US (1710) BOM Usage: Production (1) Alternative: 1

Component and Component Groups	Preliminary Compon...	Component and Component Grou...	Item Category	Alternative BOM	Plant	BOM Usage
CARBURETOR	-	Carburetor	LStock Item	+	Plant 1 US (Default)	Production
ROCKER_ARM_ASSY	-	Rocker_Arm_Assy	LStock Item	1	Plant 1 US (Default)	Production
INTAKE_VALVE	-	Intake_Valve	LStock Item	1	Plant 1 US (Default)	Production
PUSH_ROD	-	Push_Rod	LStock Item	1	Plant 1 US (Default)	Production
VALVE_CONNECTOR	-	Valve_Connector	LStock Item	+	Plant 1 US (Default)	Production
ROCKER_ARM	-	Rocker_Arm	LStock Item	+	Plant 1 US (Default)	Production
CRANK_SHAFT_ASSY	-	Crank_Shaft_Assy	LStock Item	1	Plant 1 US (Default)	Production
PISTON_ASSY	-	Piston_Assy	LStock Item	1	Plant 1 US (Default)	Production
CRANK_SHAFT	-	Crank_Shaft	LStock Item	+	Plant 1 US (Default)	Production
FUEL_LINE_RIGHT	-	Fuel_Line_Right	LStock Item	+	Plant 1 US (Default)	Production
FUEL_LINE_LEFT	-	Fuel_Line_Left	LStock Item	+	Plant 1 US (Default)	Production
DRIVE_BELT	-	Drive_Belt	LStock Item	+	Plant 1 US (Default)	Production
BELT	-	Belt	LStock Item	+	Plant 1 US (Default)	Production
CAM_SHAFT	-	Cam_Shaft	LStock Item	+	Plant 1 US (Default)	Production
EXHAUST_VALVE	-	Exhaust_Valve	LStock Item	+	Plant 1 US (Default)	Production
VALVE_COVER	-	Valve_Cover	LStock Item	+	Plant 1 US (Default)	Production
BELT_PULLY_02	-	Belt_Pully_02	LStock Item	+	Plant 1 US (Default)	Production

BOM has been created

[Link to documentation](#)



SAP Fiori Product Compliance

Delightful UX

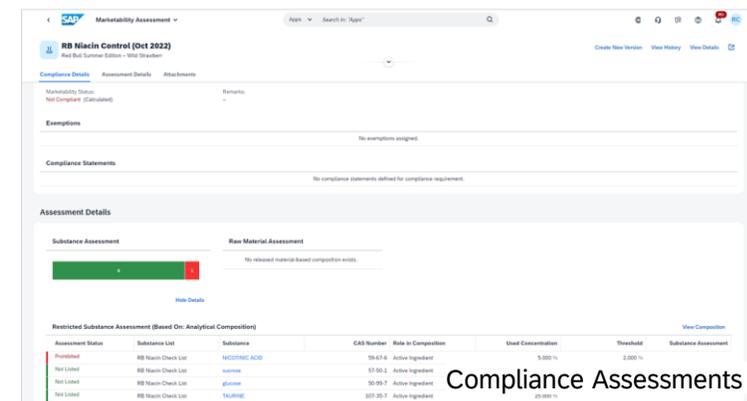
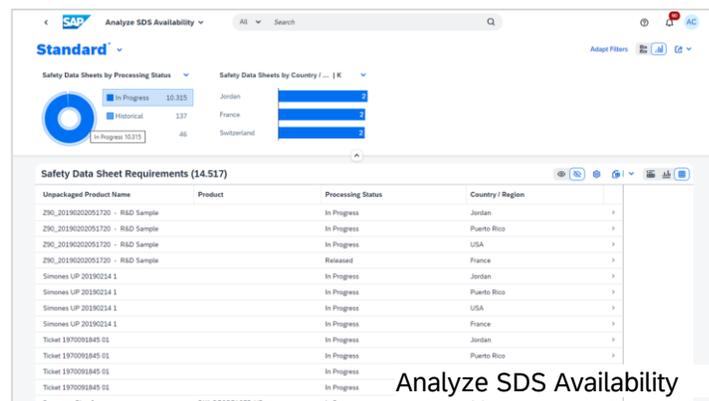
- **Role based views** providing transparency and simplified access to information
- **Overviews** available for giving actionable insights on Dangerous Goods, Safety Data Sheets, Product Marketability assessments, substances etc

KPIs and Insights

- **Detailed insights** to analyze compliance impact on sales, suppliers, and production
- **Intuitively analyze** marketability assessments, e.g. before introducing a product to a new market

Authorization & Process Support

- **Authorization** support ensuring relevant information is displayed for relevant users
- **Integration** into key logistics process e.g. product master, sales, delivery, procurement, transportation



[Link to documentation](#)



SAP Cloud ERP Private differentiators

Joule



Joule

Enterprise Portfolio and Project Management

[Open Project, WBS Element, and Networks](#)

[Display Missing Parts in Projects, WBS Element, and Networks](#)

[Read Sub-elements of Project and WBS Element](#)

[Summarize Changes in Project and WBS Element](#)

[Read Due or Overdue Activities in Project, WBS Element, Network](#)

[Read Master Data of Project, WBS Element, Network](#)

Product Lifecycle Management

[Viewing Change Record Information](#)

[Summarizing Change Record Information](#)

[Viewing Bill of Material Information](#)

The screenshot displays the SAP Project Schedule interface. At the top, it shows the SAP logo and 'Project Schedule'. Below this, there are search filters for 'Project Definition' (Asset 100 renewal (MF_2507)), 'WBS Element', and 'Network'. The main area features a Gantt chart with a grid for 2025, Q3 (Sep) and 2025, Q4 (Oct). A sidebar on the right is open, showing a search for 'Open project MF_2507 de...'. The sidebar contains a question: 'Are there any activities overdue to start in this project?'. Below this, it provides details for an overdue activity: 'Here's the overdue to start activity in Project MF_2507', filtered by 'MF_2507'. The details include Network Activity ID (4960012 / 0010), Description (Project Planning), and dates (Earliest: 2025-08-15 - 2025-08-28; Latest: 2025-08-15 - 2025-08-28). At the bottom of the sidebar, there is a 'Network Activity' button and a 'Direct Builder - Display Network Activity' link. A search bar at the bottom of the sidebar contains 'Message Joule...' and a 'Joule uses AI. Verify results.' footer.

Project Builder



New Business Processes and Functionalities

Business Area and Business Capability Overview



New business capabilities in SAP S/4HANA



New Business Processes and Functionalities

Advanced Variant Configuration

- Design for variability and build engineering configurations
- Define variant models to support Configure, Price and Quote needs that support Omni channel commerce requirements
- Reduce time to market for new products through highly efficient simulation of new product variants and options
- Ensure data accuracy and consistency for complex product configuration needs across engineering, sales, manufacturing, service and support.

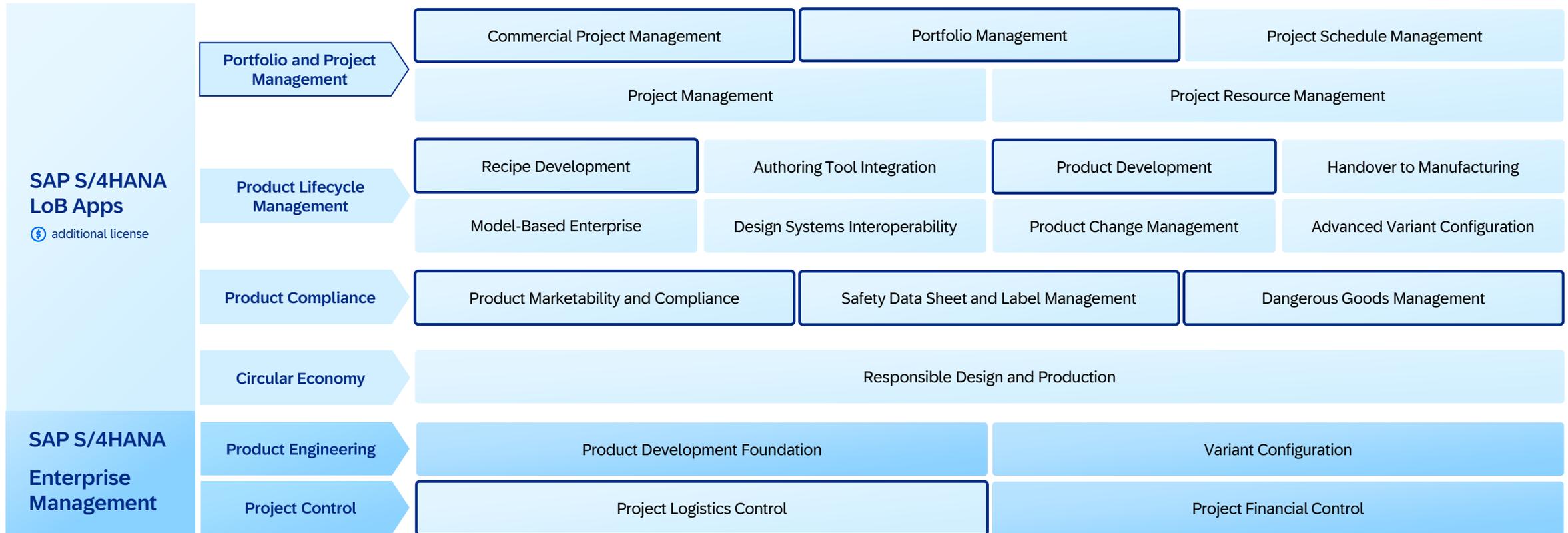
The screenshot displays the SAP Simulate Configuration Models interface for the 'ADVC EBIKE Model'. The top navigation bar includes the SAP logo, 'Simulate Configuration Models', and a search bar. The main header shows the model name 'ADVC EBIKE Model' and its ID 'MZ-FG-E208'. Below this, key data points are listed: Configuration Status (Released), Sales Order Item (400802 / 10), Date (17.07.2023), Quantity (1), Configuration Profile (ADVC EBIKE MODEL), Plant (Plant 1 - US), BOM Application, and Simulation Context (Sales Document). The interface is split into two main sections: a 'Bill of Material' table on the left and a 'Reference Characteristics' panel on the right. The Bill of Material table has columns for Component, Pos., Cat., Qty, Ch., and Component, with one row showing 'ADVC EBIKE Model' and a quantity of '1 PC'. The Reference Characteristics panel is divided into 'Default Group' and 'Reference Characteristics'. It includes fields for Variant condition (AVC_CWEIGHT, AVC_LARGEFOK), Component quantity, Bike Model (Sport Bike), Bike Power Source (Manual Power), Bike Wheel Type (Tubeless Tire), Bike colour (Red), Bike Frame Size (Ultra Light Frame), Bike Battery Capacity (None), Region (USA), and Country Key (US). At the bottom right, there are 'Save' and 'Cancel' buttons.

[Link to documentation](#)



Updated Business Processes and Functionalities

Business Area and Business Capability Overview



Updated business capabilities in SAP S/4HANA

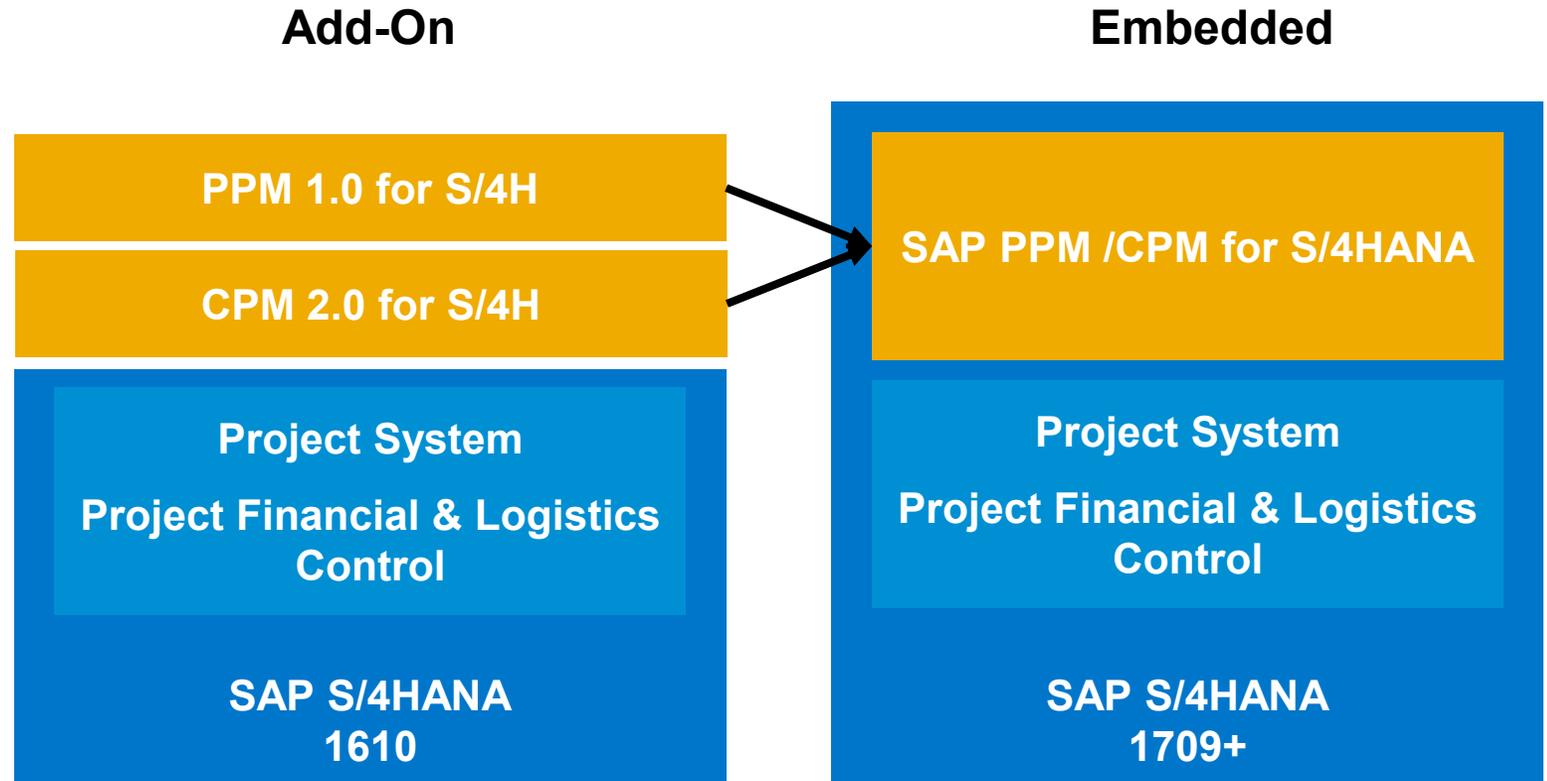


Updated Business Processes and Functionalities

Portfolio and Project Management

Commercial Project Management - Changed Delivery Model

- SAP Portfolio and Project Management and SAP Commercial Project Management is as of 1709 technically delivered with SAP S/4HANA
- No longer required to install separate add-on on top of SAP S/4HANA
- Less TCO and maintenance effort



[Link to documentation](#)



Updated Business Processes and Functionalities

Commercial Project Management

Lean services enablement for commercial projects

- Enable planning lean services in project financial planning for commercial projects
- Reduce efforts for planning and purchasing of lean services by leveraging new resource types in project financial planning
- Predefined transfer methods for planned lean service components to assigned projects in the project system
- Enable holistic planning, forecasting and monitoring of lean services and materials for the project

Monthly Financial Planning: IT_UGRD_PROJECT-1

Financial Summary | EUR

Description	Structure Element (Description)	Cost (Plan)	Revenue (Plan)
IT Upgrade Project	IT_UGRD_PROJECT	0,00	0
Planning and Design	IT_UGRD-PLN	100.500,00	105.000
Planning and De...	IT_UGRD-PLN	0,00	0
Planning and Inst...	4054872	100.500,00	105.000
Planning and I...	4054872	0,00	0
Install Hardware	4054872-0010	100.500,00	105.000

Resource Type Summary

Resource Type	Resource	UoM	Transaction Currency	Quantity	Cost (Transaction)	Cost (Plan)	Revenue (Transaction)	Revenue (Plan)
Planned Lean Services	ZSERVICE	Each	EUR	500,000	100.000,00	100.000,00	105.000,00	105.000,00
Unplanned Lean Services	ZSERVICE	Each	EUR	0,000	500,00	500,00	0,00	0,00

Planning Area

Calendar Year/Month	Quantity	Rate (Cost)	Cost (Transaction)	Cost (Plan)	Rate (Revenue)	Revenue (Trans.)	Revenue (Plan)
2025 SEP	125	200,000	25.000,00	25.000,00	210,000	26.250,00	26.250,00
2025 OCT	125	200,000	25.000,00	25.000,00	210,000	26.250,00	26.250,00
2025 NOV	125	200,000	25.000,00	25.000,00	210,000	26.250,00	26.250,00
2025 DEC	125	200,000	25.000,00	25.000,00	210,000	26.250,00	26.250,00

Monthly Financial Planning

[Link to documentation](#)



Updated Business Processes and Functionalities

Portfolio Management

Risk Management in Portfolio and Project Management

- New Risk Management capabilities in PPM portfolio items:
 - Risk register for capturing risk details and activities
 - Versioning along with item versioning
- Enhanced Integration of Commercial Project Management and Portfolio Management for Capex Scenarios

▼ Risk Register [Switch to Risk Register](#)

Standard + Add Risk - Delete Risk + Import Risks Risk Version ▼

Risk ID	Risk/Opport...	Risk Stat...	* Risk Description	* Category	Subcate...	Identified ...	Probability	Impact	Cost	Quality	Schedule	Scope	Risk ...	Risk Level Icon	Level ...
● S-8881-RS...	Risk	New	Late deliveries of materials	Construction	Equi...	Go-Li...	Likel...	Catastroph...	> 20...	Proje...	10-2...	Major...	-15	⚠	High Risk
○ S-8881-RS...	Risk	New	Inadequate planning for long lead items	Construction	Funct...	Not ...	Likel...	Major Risk ...	5-10...	Quali...	< 5%...	Scop...	-12	⚠	Medium...
○ S-8881-RS...	Risk	New	Cash flow difficulties	Cash Flow	Curre...	Real...	Near ...	Moderate ...	5-10...	Quali...	5-10...	Major...	-15	⚠	High Risk
○ S-8881-RS...	Risk	New	Fluctuations in cost of raw materials	Cash Flow	Curre...	Clos...	Unlik...	Major Risk ...	10-2...	Quali...	10-2...	Major...	-8	⚠	Medium...
○ S-8881-RS...	Risk	New	Late drawings and instructions	Design	Desig...	Blue...	High...	Moderate ...	< 5%...	Only ...	5-10...	Major...	-12	⚠	Medium...
○ S-8881-RS...	Risk	New	Defective Design	Design	Desig...	Real...	Unlik...	Minor Risk ...	Insig...	Quali...	< 5%...	Scop...	-4	⚠	Low Risk
○ S-8881-RS...	Opportunity	New	Deficiency in drawings	Design	Desig...	Go-Li...	Unlik...	Major Bene...	10-2...	Major...	10-2...	Mod...	8	⚠	Medium...
○ S-8881-RS...	Opportunity	New	Estimate revision	Bidding	Desig...	Final...	High...	Moderate ...	5-10...	Mod...	5-10...	Mino...	12	⚠	Medium...

Potential Impact **Risk Response** Object Reference Risk Activity Admin. Info

Response Type: Watch

Response Owner: 1000034

Response Status: Committed: On Track ✔

Response Mitigation Cost: 1,000.00 EUR

Response Due Date: 20.12.2023

Last Reviewed:

Response Description: **B i U** **H1 H2 H3**

Risk acknowledged. Mitigation activities are put in place. Actively being pursued.

Response Comments: **B i U** **H1 H2 H3**

Portfolio Item

[Link to documentation](#)



Updated Business Processes and Functionalities

Product Development

Change Record

- Comprehensive change management to increase agility and responsiveness through enhancements in Change Record
- Provide transparency in change process through impact analysis to review and understand the implications of change on objects
- Redlining and comparison of redlines on changes
- Enable effective management of product changes by enhancing change record to support different Bill of Materials (BoM) types incl material BoM, equipment BoM, Functional location BoM, Order BoM, Work Breakdown Structures (WBS) BoM
- Drive efficiency in change process by supporting multiple task list types incl. general maintenance task list, rate routing, reference operation sets, rough cut planning profiles, equipment and functional task lists in change records

The top screenshot displays the SAP Change Record interface for a 'Change Request CR for V-Engine' (Record ID: 1000000163). The record status is 'ECR APPROVED (27)'. The change responsible is Mr. Marco Rapp (9980005097). The total objects are 7. A donut chart shows the distribution: 1 Material (blue), 2 Bill of Material (red), 2 Document (yellow), and 2 Specification (green). The interface includes tabs for General Information, Items, Classifications, Attachments, Process Routes, Comments, Hierarchy, and Log.

The bottom screenshot displays the SAP Change Record interface for a 'Change Notice CR for V-Engine Change' (Record ID: 1000000164). The record status is 'CHANGE RELEASED (N0)'. The change responsible is Mr. Marco Rapp (9980005097). The total objects are 5. A donut chart shows the distribution: 1 Material (blue), 1 Bill of Material (red), 1 Document (yellow), and 2 Specification (green). The interface includes tabs for General Information, Items, Classifications, Attachments, Process Routes, Comments, Hierarchy, and Log. The 'Process Routes' section shows a flowchart with three steps: 'Perform Change' (Completed), 'Review Change (Approve/Reject)' (Completed), and 'Release Change' (Completed).

[Link to documentation](#)



Updated Business Processes and Functionalities

Product Development

Software Constraints:

- Combine material master (software module) and document info records to represent the versions of the software
- Support software component in engineering BoM
- Manage constraints between software, and between software and hardware
- Provide overview of existing software-versions
- Support conflict check and redundant check for constraints

The screenshot displays the SAP 'Manage Software Constraints' interface. It is divided into several sections:

- Software (1):** Shows a list of software components. One component, 'SEAT_ADJUSTMENT_UP', is selected and shown in detail with its description and creation information.
- Hardware Constraint:** A table listing constraints between hardware materials.

No.	From	To	Rule	Hardware Material	Material Description	Actions
1	00	01	Requires (R)	RMIPD001	ARM Hardware 1	>
2	00	01	Excludes (E)	RMIPD002	ARM Hardware 2	>
- Software Constraint:** A table listing constraints between software materials.

No.	From	To	Rule	Software Material 1 ^s	Material Description	Minimum	Maximum	Actions
1	00	01	Requires (R)	SWNIPD001	ARM Software 1	00	01	>
2	00	01	Requires (R)	SWNIPD002	ARM Software 2	00	01	>
- Version:** A table listing software versions.

Version	Status	External Version	Description	Actions
00	Released		ARM software initial version	>
01	Released		ARM software 2nd version	>

[Link to documentation](#)



Updated Business Processes and Functionalities

Recipe Development

- Streamline product formulation using multilevel hierarchies and real-time simulation
- Calculate product properties like ingredients, compositions, and costs
- Describe the processing of the product using stages, parameters and equipment requirements
- Leverage in place analytics to get additional information, for example on stock, compliance, and quality

Display Recipe: CEREAL_BAR4/000/001

Primary Output: CEREAL_BAR4 Primary Output Description: Cereal Bar Recipe Description: Cereal Bar Recipe Type: General Recipe Key Date: 20.07.2023 Recipe Status: In Work Recipe Purpose: Development Valid From: 05.03.2020 Valid To: 31.12.9999

General Data Formula Process Calculation Results Authorizations Process Route

Input and Output Optimization Contribution

Layout: Nutrients Edit Layout Create Layout Display Nutrients Per: 100G Primary Output Display Cost Per: Scale Quantities Assign Loss Profile Hide Limits

Formula Item	Calcium [MG]	Calories [KJ]	Fiber [G]	Iron [MG]	Total Fat [G]	Protein [G]	Sugar [G]
0001 Stage - Create Grainmix							
Cornflakes	1	4	10.333333		0.666667	3.333333	0.016667
Pumpkin Seed	8.296296	3.111111	3.259259			5.333333	
Almonds		12.222222		8.333333		15.740741	
0001 -	9.296296	7.111111	25.814815	8.333333	0.666667	24.407407	0.016667
0002 Stage - Create Liquid Mixer							
Dates	2.642643		6.726727	30.750751		11.891892	
Chocolate		2.702703					5.405405
Water							
0002 -	2.642643	2.702703	6.726727	30.750751		11.891892	5.405405
0003 Stage - Create Liquid Mix							
buckwheat	2.642643	2.702703	6.726727	30.750751		11.891892	5.405405
Raisins	2.972973					3.297297	
Cranberry		0.900901	3.135135	1.351351			3.72973
0003 -	5.615616	3.603604	9.861862	32.102102	0.990991	15.189189	9.585586
0004 Stage - Create Cereal Bar							
Primary Output - Cereal Bar	9.296296	7.111111	25.814815	8.333333	0.666667	24.407407	0.016667
Primary Output - Cereal Bar	5.615616	3.603604	9.861862	32.102102	0.990991	15.189189	9.585586
Primary Output - Cereal Bar	14.911912	10.714715	35.676677	40.435435	1.657658	39.596597	9.602252
Primary Output - Cereal Bar	14.911912	10.714715	35.676677	40.435435	1.657658	39.596597	9.602252
Minimum							
Target							
Maximum							

[Link to documentation](#)

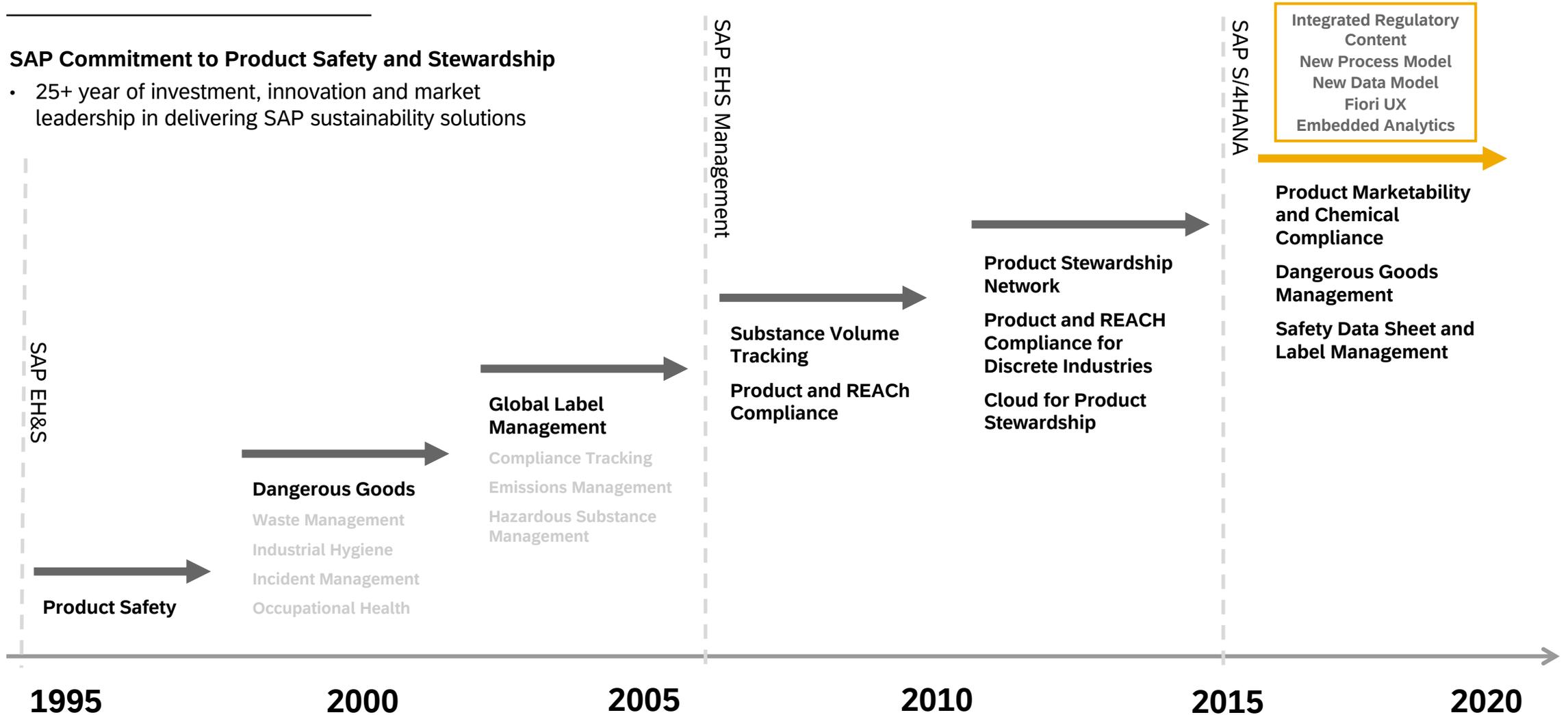


Updated Business Processes and Functionalities

Product Compliance

SAP Commitment to Product Safety and Stewardship

- 25+ year of investment, innovation and market leadership in delivering SAP sustainability solutions





Updated Business Processes and Functionalities

Product Compliance

- Available since release SAP S/4HANA 1809: the **new, re-architected Product Compliance** solution, introduces a **new and simplified data model**
- **Completely Fiori-based:** dashboards and intuitive apps
- **Comprehensive integration** in order-to-cash and procure-to-pay processes
- **Regulation aspects** (marketability, dangerous goods (DG), etc.) implemented via **new data model**, with multiple versions at the same time
- Simple customer extensibility of regulation aspects
- **Dangerous Goods Management:** massively extended, pre-delivered regulatory DG content, incl. graphics and phrases; automated DG data maintenance
- **Safety Data Sheet (SDS) Management:** automated triggering of SDS shipment: in delivery processing and subsequent shipment for US and EU
- **Compliance checks:**
 - now in all relevant sales documents (quotations, sales orders, sales contracts and outbound deliveries)
 - now covering all check types: product marketability, dangerous goods, and safety data sheet

The screenshot displays the SAP S/4HANA interface for classifying dangerous goods. The main table lists regulations for 'P69 WHO hygienic handrub(btle 12x700ml)'. The legend below the table defines domestic transport permissions:

- Domestic Transport Is Allowed (Green square)
- Domestic Transport Is Restricted (Orange square)
- Domestic Transport Is Forbidden (Grey square)

The legend also includes a 'Dangerous Goods Details' section with the following information:

Classified As	Dangerous Goods
UN Number	UN 1170
International Transport	
Aircraft Cargo	Allowed
Aircraft Passenger	Forbidden
Deep Water	Allowed

In the background, a world map is visible with a 'Domestic Transport' popup showing a table of transport permissions for various modes and regulations.

[Link to documentation](#)



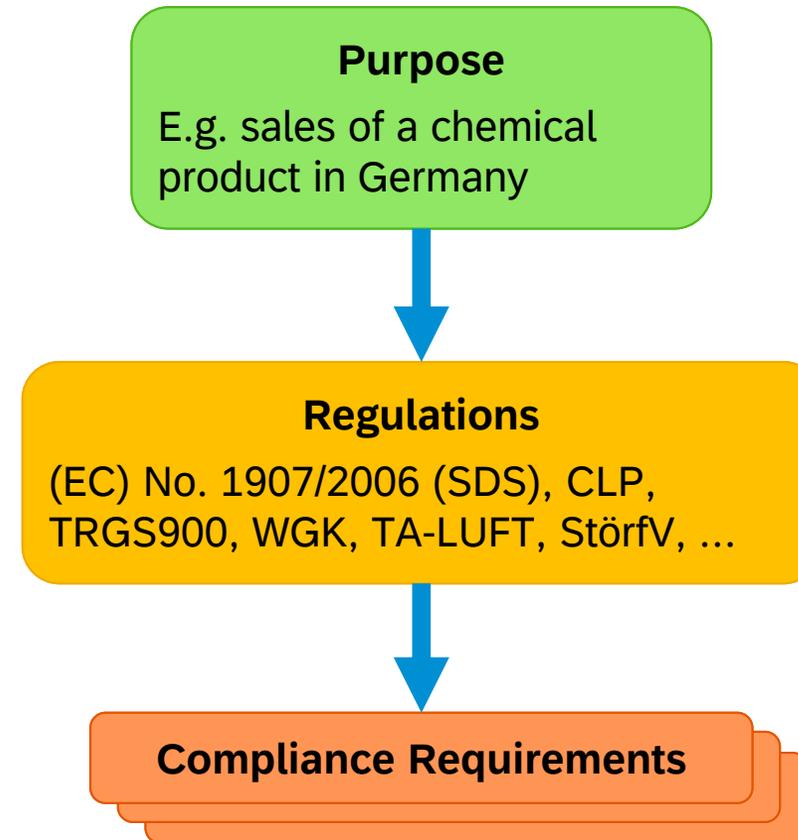
Updated Business Processes and Functionalities

Product Marketability and Compliance

Compliance Requirement Concept:

- Compliance requirement as a self-contained processing & delivery unit covering requirements from a regulation, part of a regulation, or a stakeholder requirement
- Content and regulatory logic (compliance pattern) delivered as part of compliance requirement
- Own and partner compliance requirements possible (planned)
- Bundling of obligations in purposes

[Link to documentation](#)





Updated Business Processes and Functionalities

Product Marketability and Compliance

Automated Compliance Assessment

- Automatic assignment of compliance requirements after assignment of a purpose to a product
- Automatic determination of compliance status for all assigned compliance requirements
- User guidance via assigned compliance requirements
- Automatic re-calculation of compliance assessments after changes, e.g. provisioning of a new compliance requirement version
- Compliance assessment app providing more information about substance list check results

The screenshot displays the SAP Marketability Assessment app interface for 'RB Niacin Control (Oct 2022)'. The main content area is divided into several sections:

- Marketability Status:** Not Compliant (Calculated). Remarks: -
- Exemptions:** No exemptions assigned.
- Compliance Statements:** No compliance statements defined for compliance requirement.
- Assessment Details:**
 - Substance Assessment:** A progress bar shows 9 green segments and 1 red segment.
 - Raw Material Assessment:** No released material-based composition exists.
- Restricted Substance Assessment (Based On: Analytical Composition):** A table with columns for Assessment Status, Substance List, Substance, CAS Number, Role in Composition, Used Concentration, Threshold, and Substance Assessment.

Assessment Status	Substance List	Substance	CAS Number	Role in Composition	Used Concentration	Threshold	Substance Assessment
Prohibited	RB Niacin Check List	NICOTINIC ACID	59-67-6	Active Ingredient	5.000 %	2.000 %	
Not Listed	RB Niacin Check List	sucrose	57-50-1	Active Ingredient	20.000 %		
Not Listed	RB Niacin Check List	glucose	50-99-7	Active Ingredient	5.000 %		
Not Listed	RB Niacin Check List	TAURINE	107-35-7	Active Ingredient	25.000 %		

[Link to documentation](#)



Updated Business Processes and Functionalities

Product Marketability and Compliance

- Ensure compliance, reduce time to market and extend marketability of your products with embedded regulatory content
- 326.819 listed substances
- 10.971 regulatory phrases (incl. translations)
- 796 regulatory graphics
- 213 compliance requirements for product marketability, 147 with embedded content
- 94 compliance requirements for occupational exposure limits
- 102 compliance requirements for safety data sheet management
- 14 compliance requirements for dangerous goods
- Updated with every release

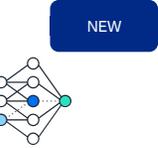
The screenshot displays the SAP Regulatory Compliance interface for 'Regulation: US-Cal Proposition 65 Status'. The top navigation bar includes the SAP logo, search, and user profile. The main content area is divided into several sections:

- Regulation Details:** Shows 'Version Name: US California Proposition 65 Sta...', 'Maintenance Status: Released', 'Validity Period: 21.04.2023 - Indefinite', and 'Content Provider: SAP SE'.
- Compliance Requirement Version:** Displays 'Effective Date: 21.04.2023', 'End of Transition: [blank]', 'Name: US California Proposition 65 Status (Apr 2023)', and 'Valid In: USA (California)'.
- Substance Lists:** A table with columns for Name, Type of List, and Standard. The table lists:

Name	Type of List	Standard
US CA Prop 65	Restriction List	Standard
US CA Prop 65 NSRL List	Restriction List	
US CA Prop 65 MADL List	Restriction List	
- Copyright Information:** Shows 'Component Threshold: 0,000000' and 'Volume Threshold: 0,000000'.
- Excluded Roles in Composition:** States 'No excluded roles in composition assigned.'
- Manage Listed Substances (867 Rows):** A table with columns for Edit, Listed Substance ID, Listed Substance, Substance Variant, CAS Number, Threshold, Unit, Is Group, and Additional Information. The table lists several substances:

Edit	Listed Substance ID	Listed Substance	Substance Variant	CAS Number	Threshold	Unit	Is Group	Additional Informat...
<input type="checkbox"/>	L0000000003	4,2-Methylenedianil...	Not Specified	101-779-9	0,000000		<input type="checkbox"/>	
<input type="checkbox"/>	L0000000004	Di-n-butyl phthalate	Not Specified	84-74-2	0,000000		<input type="checkbox"/>	
<input type="checkbox"/>	L0000000005	di(2-ethylhexyl)phth...	Not Specified	117-81-7	0,000000		<input type="checkbox"/>	
<input type="checkbox"/>	L0000000013	Butyl benzyl phthalate	Not Specified	85-68-7	0,000000		<input type="checkbox"/>	
<input type="checkbox"/>	L0000000014	2,4-Dinitrotoluene	Not Specified	121-14-2	0,000000		<input type="checkbox"/>	
<input type="checkbox"/>	L0000000025	Tri(2-chloroethyl) p...	Not Specified	115-96-8	0,000000		<input type="checkbox"/>	
<input type="checkbox"/>	L0000000026	Acrylamide	Not Specified	79-06-1	0,000000		<input type="checkbox"/>	
<input type="checkbox"/>	L0000000032	trichloroethylene	Not Specified	79-01-6	0,000000		<input type="checkbox"/>	
<input type="checkbox"/>	L0000000033	Ethylene glycol mon...	Not Specified	110-80-5	0,000000		<input type="checkbox"/>	
<input type="checkbox"/>	L0000000034	ethylene glycol mon...	Not Specified	109-86-4	0,000000		<input type="checkbox"/>	
<input type="checkbox"/>	L0000000041	Cobalt sulfate	Not Specified	10124-43-3	0,000000		<input type="checkbox"/>	
<input type="checkbox"/>	L0000000042	Ethylene glycol mon...	Not Specified	111-15-9	0,000000		<input type="checkbox"/>	

[Link to documentation](#)



Updated Business Processes and Functionalities

Safety Data Sheet

Updated regulatory content & structured data maintenance

- More than 100 compliance requirements in safety data sheet authoring
- Streamline safety data sheet generation with structured data maintenance
- Work view for data maintenance according to safety data sheet chapters
- Public APIs and migration objects for toxicological and ecological data, GHS classification, handling and storage, and safety related properties
- Ability to request data calculation by partners & public APIs for partners to read and write data sets
- Trigger business event from work view

The screenshot shows the SAP 'Display Work View' for an 'Industrial Cleaner' (ZSDS-CLEANER-UP). It features a table of compliance data with columns for 'Compliance Data', 'Processing Status', and 'Processor/Released By'. The table is organized into sections corresponding to different regulatory requirements.

Compliance Data	Processing Status	Processor/Released By
Section 1 - Identification of the Substance/Mixture and the Company/Undertaking		
EU Poison Centre Notification (Nov 2020)	Released	Saskia Kalmbach
Identifiers	Released	Saskia Kalmbach
Section 2 - Hazards Identification		
EU Specific Aerosol Labelling (Nov 2016)	Released	Saskia Kalmbach
EU GHS Labeling (Jan 2024)	Released	Saskia Kalmbach
EU GHS Classification (Jan 2024)	Released	Saskia Kalmbach
Section 3 - Composition/information on ingredients		
Analytical Composition - (World)	Released	Saskia Kalmbach
EU Hazardous Ingredients (Jan 2021) Post BREXIT	Released	Saskia Kalmbach
Section 4 - First aid measures		
World First Aid Measures	Released	Saskia Kalmbach
Section 5 - Firefighting measures		
World Firefighting Measures	Released	Saskia Kalmbach
Section 6 - Accidental release measures		
World Accidental Release Measures	Released	Saskia Kalmbach
Section 7 - Handling and storage (not yet supported by SDS generation)		
DE TRGS 510 Storage class (Nov 2015)	Released	Saskia Kalmbach
World Handling and Storage (Jul 2023)	Released	Saskia Kalmbach
Section 8 - Exposure controls/personal protection		
World Personal Protection Measures	Released	Saskia Kalmbach
DE Components with OELs (Jun 2020)	In Progress	(No Processor)
Section 10 - Stability and reactivity (not yet supported by SDS generation)		
Stability and Reactivity	Released	Saskia Kalmbach

[Link to documentation](#)



Updated Business Processes and Functionalities

Dangerous Goods Management

Compliance Requirement Concept for Dangerous Goods

- Pre-defined compliance requirements representing DG regulations
- Definition of transport purposes as combinations of compliance requirements, e.g. according to regions: “DG Transport in Europe” combines compliance requirements UNRTDG, IMDG-Code, IATA-DGR, ADR, RID AND
- Assigned compliance requirements trigger DG classification of products

SAP Manage Compliance Requirements - Dangerous Goods Management

Recent Search

Standard

Name: Issuing Organization: Maintenance Status: Compliance Pattern: Date: 01.06.20... x DD.MM.YYYY or description Country / Region: Compliance Requirement: Content Provider: Adapt Filters (1)

Name	Compliance Requirement	Issuing Organization	Maintenance Status	Validity Period
ADG	ADG	National Transport Commission Australia	Released	30.06.2018 - Indefinite
ADG.2019	ADG	National Transport Commission (NTC)	Released	01.07.2018 - Indefinite
ADG.2020	ADG	National Transport Commission (NTC)	Released	01.10.2020 - Indefinite
ADN	ADN	United Nations Economic Commission for Europe (UNECE)	Released	31.12.2018 - Indefinite
ADN.2019	ADN	United Nations Economic Commission for Europe (UNECE)	Released	01.01.2019 - Indefinite
ADN.2021	ADN	United Nations Economic Commission for Europe (UNECE)	Released	01.01.2021 - Indefinite
ADR	ADR	United Nations Economic Commission for Europe (UNECE)	Released	01.01.2017 - Indefinite
ADR.2019	ADR	United Nations Economic Commission for Europe (UNECE)	Released	01.01.2019 - Indefinite
ADR.2021	ADR	United Nations Economic Commission for Europe (UNECE)	Released	01.01.2021 - Indefinite
ANTT	ANTT	National Agency of Transport by Land	Released	01.12.2016 - Indefinite
ANTT.2016	ANTT	National Agency of Transport by Land (ANTT)	Released	16.12.2016 - Indefinite
ANTT.2021	ANTT	National Agency of Transport by Land (ANTT)	Released	01.07.2021 - Indefinite
CFR.49	49 CFR	Office of the Federal Register National Archives and Records Administration	Released	19.06.2018 - Indefinite
CFR.49 as of May.11th.2020	49 CFR	Department of Transportation	Released	11.05.2020 - Indefinite
CFR.49 as of Oct. 1st. 2019	49 CFR	Office of the Federal Register National Archives and Records Administration	Released	01.10.2019 - Indefinite
IATA.DGR	IATA-DGR	International Air Transport Association (IATA)	Released	01.01.2019 - Indefinite
IATA.DGR.2020	IATA-DGR	International Air Transport Association (IATA)	Released	01.01.2020 - Indefinite
IATA.DGR.2021	IATA-DGR	International Air Transport Association (IATA)	Released	01.01.2021 - Indefinite
IATA.DGR.2022	IATA-DGR	International Air Transport Association (IATA)	Released	01.01.2022 - Indefinite
IMDG.Code.2018	IMDG-Code	International Maritime Organization (IMO)	Released	01.01.2019 - Indefinite
IMDG.Code.2020	IMDG-Code	International Maritime Organization (IMO)	Released	01.01.2021 - Indefinite
IMDG.Code	IMDG-Code	International Maritime Organization (IMO)	Released	01.01.2018 - Indefinite
NCH382	NCH382	National Institute of Norms	Released	01.02.2017 - Indefinite
NCH382.2012	NCH382	National Institute of Normalization (INR)	Released	27.02.2017 - Indefinite
NCH382.2011	NCH382	National Institute of Normalization (INR)	Released	28.07.2011 - Indefinite
NOM-502-SCT	NOM	Secretary of Communications and Transport	Released	31.03.2011 - Indefinite
NOM-502-SCT2011	NOM	Secretary of Communications and Transport	Released	01.04.2011 - Indefinite
NZS	NZS 5433	Standards New Zealand	Released	01.03.2012 - Indefinite
NZS.2012	NZS 5433	Standards New Zealand	Released	07.03.2012 - Indefinite
RID	RID	Intergovernmental Organisation for International Carriage by Rail (OTIF)	Released	31.12.2018 - Indefinite
RID.2019	RID	Intergovernmental Organisation for International Carriage by Rail (OTIF)	Released	01.01.2019 - Indefinite
RID.2021	RID	Intergovernmental Organisation for International Carriage by Rail (OTIF)	Released	01.01.2021 - Indefinite
RS_TEST_ETL_CR_TBR.V1	RS_TEST_ETL_CR_TBR		Released	12.05.2022 - Indefinite
SANS	SANS 10228	South African Bureau of Standards	Released	01.08.2012 - Indefinite
SANS.2012	SANS 10228	South African Bureau of Standards (SABS), Standards Division	Released	21.08.2012 - Indefinite
TDG	TDG	Transport Canada	Released	11.12.2017 - Indefinite
TDG.2019	TDG	Transport Canada	Released	01.06.2019 - Indefinite

[Link to documentation](#)



Updated Business Processes and Functionalities

Dangerous Goods Management

Dangerous goods enabling a flexible packaging process

- Ensure safe and compliant packaging with packing instruction information in the View Regulatory Data – Dangerous Goods app
- Information according to dangerous goods regulations
- Packing information includes
 - Allowed single and combination packages
 - Header texts, references, and additional requirements
- Information for combination packages includes
 - Allowed inner, outer, or immediate packages
 - Maximum permitted quantity in each inner and outer packages per packing group

The screenshot displays the SAP 'View Regulatory Data - Dangerous Goods' interface. It is divided into three main panels:

- Regulatory Data Sets (18):** A table listing various regulations such as ADG 2023, ADG 2024, ADN 2023, ANTT 2023, CFR 49 as of May 13th 2024, and IATA-DGR 2024, each associated with a UN Number (UN 1090) and a packing group (II).
- ADR 2023 Enclosure-Specific Data:** A detailed view for ADR 2023, showing classification (P001, R001, LGBF, T4) and specific provisions for inner and outer packaging, including limited quantity (LQ), special provisions, and vehicle for tank carriage.
- P001 Combination Packaging:** A detailed view for packaging type P001, showing a table of packaging subtypes (Inner and Outer) with their respective descriptions, packaging codes, maximum quantities, and gross weights. For example, 'Drum, steel, non-removable head' (1A1) has a maximum quantity of 400 kg.

[Link to documentation 1](#)

[Link to documentation 2](#)

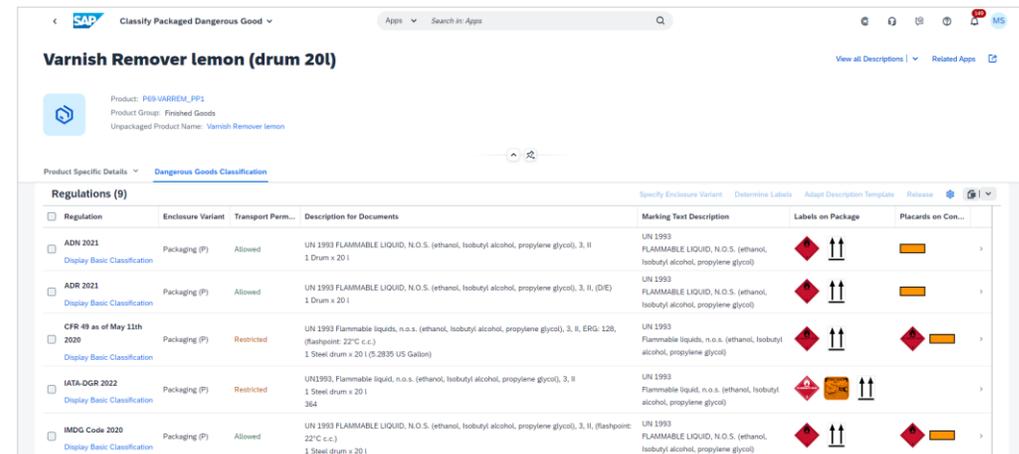
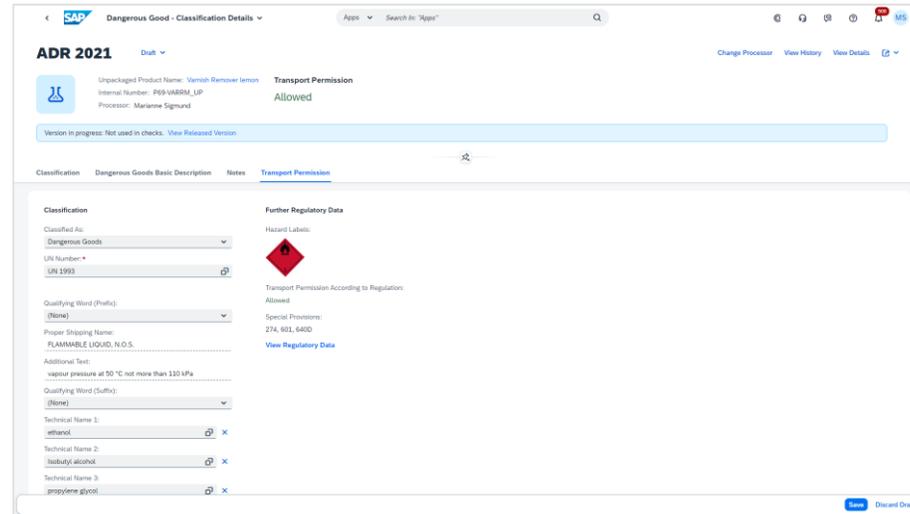


Updated Business Processes and Functionalities

Dangerous Goods Management

Dangerous Goods Classification of a packaged products & unpackaged products

- Transport permission determined based on enclosure-specific dangerous goods list data
- Enhancement in packaged dangerous goods classification: ability to automatically derive the transport permission based on the enclosure-specific dangerous goods list data
- Provide support in the determination of the transport permission to comply with dangerous goods regulations



[Link to documentation](#)



Updated Business Processes and Functionalities

Dangerous Goods Management

Dangerous Goods Checks in SAP Transportation Management:

- Automated checks integrated into the processing of transportation documents for rail, ocean, and air cargo transport:
 - Freight Unit
 - Freight Oder
 - Freight Booking
- Automatic consideration of modes of transports at freight bookings

The screenshot displays the SAP Ocean Freight Booking interface for document 6700001855. It features a 'Freight Booking Item View' table with columns for Item Hierarchy, Item Type, Item Description, Quantity, Unit of Measure, Gross Weight, Gross Volume, Net Weight, Net Volume, Product, and Dangerous Goods Status. A red box highlights the status for three products: 'OK - Transport Allowed' for two and 'OK - No Dangerous Goods' for one.

Item Hierarchy	Item Type	Item Desc...	Qua...	Qua... UoM	Gross Wei...	Gross Wei... UoM	Gross Volu...	Gross Volu... UoM	Net Wei...	Net Wei... UoM	Product	Dangerous Goods Status (Description)	Freight Order for Pick-Up	Freight Order for Delivery
▼ Sales Order 21225				***	443 KG	443 KG	0.442 M3	0.442 M3	419 KG	419 KG				
▼ Freight Unit 4200014565				***	443 KG	443 KG	0.442 M3	0.442 M3	419 KG	419 KG				
Product 10 Firmis Löser Zitrone (20l Fass)	PRD	Product	20	DR	420 KG	420 KG	0.42 M3	0.42 M3	400 KG	400 KG	P69-VARREM_PP1	OK - Transport Allowed		
Product 20 WHO byg. Handreinjiger (2x500ml)	PRD	Product	10	CAR	16 KG	16 KG	0.016 M3	0.016 M3	14 KG	14 KG	P69-HANDR_PP1	OK - Transport Allowed		
Product 30 Linalool (1L Flasche)	PRD	Product	5	BT	7 KG	7 KG	0.006 M3	0.006 M3	5 KG	5 KG	P69-LINALOOL-PP	OK - No Dangerous Goods		

Stage	Stage Category (Description)	Transp... Mode	Transportation Mode (Description)	Source Location	UN/LO... (Source)	Source Location Address	Destination Location	UN/LO... (Desti...)	Destination Location Address	Executing Carrier	Executing Carrier Description	SCAC of Execut... Carrier	Invoicing Carrier	Invoicing Carrier (Description)
1	Pre-Carriage	01	Road	SP_1710		Shipping Point 1710 - ...	PORT_USLAX	USLAX	USLAX / 425 South Pa...					
2	Main Carriage	03	Sea	PORT_USLAX	USLAX	USLAX / 425 South Pa...	PORT_DEHAM	DEHAM	DEHAM / Kurt-Eckelm...					
3	On-Carriage	01	Road	PORT_DEHAM	DEHAM	DEHAM / Kurt-Eckelm...	0017100050		Foreign Customer 50 (...)					

[Link to documentation](#)



Updated Business Processes and Functionalities

Dangerous Goods Management

Output of Dangerous Goods Data on Logistic Documents:

- Automatic output of dangerous goods data on logistics documents:
 - Sales quotation
 - Sales contract
 - Order confirmation
 - Scheduling agreement
 - Picking list
 - Delivery note
- Automatic determination of countries, regulations and DG data required for output by using logistics data



Delivery: 80016083 Page: 1/2

Unternehmen Foreign Customer 50 (DE) Hauptstraße 1 97218 GERBRUNN GERMANY	Delivery Date Aug 17, 2022 SD Document 21225 SD Document Date Aug 11, 2022 Customer Reference Demo DG-TM Customer Reference Date Sold-To Party Foreign Customer 50 (DE) Ship-To Party Foreign Customer 50 (DE) Shipping Point 1710 Shipping Point Name Shipping Point 1710
---	---

Shipment Details:

Proposed Delivery Route

Shipping Condition 06

Shipping Condition Name TM - Int. Planning

Incoterms Classification DDP

Incoterms Classification Name Delivered Duty Paid

Shipping Point Address:
 Shipping Point 1710 - Address Name 1
 3475 Deer Creek
 Palo Alto CA 94304-1355

Item	Material	Description	Delivery Quantity	Gross Weight	Net Weight
000010	P69-VARREM_PP1	Firmis Löser Zitrone (20L Fass)	20 DR	420 KG	400 KG
	Volume	0.42 M3			
	Customer Reference	Demo DG-TM			
	Customer Reference Date				
	49 CFR: UN 1993 Flammable liquids, n.o.s. (ethanol, isobutyl alcohol, propylene glycol), 3, II, ERG: 128 20 Steel drums x 20 l (5.2835 US Gallon) ADR: UN 1993 ENTZÜNDBARER FLÜSSIGER STOFF, N.A.G. (Ethanol, 2-Methylpropan-1-ol, propylene glycol), 3, II, (D/E) 20 Fässer x 20 l IMDG-Code: UN 1993 FLAMMABLE LIQUID, N.O.S. (ethanol, isobutyl alcohol, propylene glycol), 3, II, (flashpoint: 22°C c.c.) 20 Steel drums x 20 l				
000020	P69-HANDR_PP1	WHO hyg. Handreiniger (2x500ml)	10 CA	16 KG	14 KG
	Volume	0.016 M3			
	Customer Reference	Demo DG-TM			
	Customer Reference Date				

Delivery note with dangerous goods data

[Link to documentation](#)



Updated Business Processes and Functionalities

Dangerous Goods Management

Specific Dangerous Goods Documents:

- Creation of specific dangerous goods documents in SAP Transportation Management
 - IMO declaration
 - ADR dangerous goods note
- Automatic consideration of required languages

ADR Beförderungspapier für Gefahrgüter

1. Absender		2. Nummer des Beförderungspapiers 6600001860	
3. Seite 1 von 1		4. Referenznummer des Beförderers 6600001860	
8100001960		5. Referenznummer des Spediteurs	

IMO DANGEROUS GOODS DECLARATION
This Form meets the requirements of SOLAS chapter VII, regulation4, MARPOL, Annex II and the IMDG-Code Chapter 5.4

1 Shipper		2 Transportation Document Number 6600001859	
		3 Page 1 of 1	4 Shipper's Reference
6 Consignee Foreign Customer 50 (DE) Hauptstraße 1 97218 GERBRUNN GERMANY		5 Freight Forwarder's Reference 6700001855	
		7 Carrier (to be declared by the Carrier) TM Carrier1 US Windgap Ave PITTSBURGH PA 15214 USA	
SHIPPERS DECLARATION IN ACCORDANCE TO SECTION 5.4.1.6 IMDG-Code I hereby declare that the contents of this consignment are fully and accurately described below by the proper shipping name(s), and are classified, packaged, marked and labeled/placarded and are in all respects in proper condition for transport according to applicable international and national governmental regulations.			
10 Vessel/Flight and Date		9 Additional Handling Information	
11 Port/Place Handling PORT_USLAX			
14 Shipping marks * Number and kind of packages; description of goods Gross mass (kg) Net mass Cube (m3)			
P69-VARREM_PP1 UN 1993 FLAMMABLE LIQUID, N.O.S. (ethanol, isobutyl alcohol, propylene glycol), 3, II, (flashpoint: 22°C c.c.) 20 Steel drums x 20 l For US only (CFR 49) UN 1993 Flammable liquids, n.o.s. (ethanol, isobutyl alcohol, propylene glycol), 3, II, ERG: 128 20 Steel drums x 20 l (5.2835 US Gallon)		Fimis Löser Zitrone (20L Fass) 420.00 KG 400.00 KG 0.42 M3	
P69-HANDR_PP1 UN 1170 ETHANOL SOLUTION, 3, II, Limited Quantity 10 Fibreboard boxes x 1 l For US only (CFR 49) UN 1170 Ethanol solutions, 3, II, ERG: 127, Limited Quantity 10 Fibreboard boxes x 1 l (0.2642 US Gallon)		WHO hyg. Handreiniger (2x500ml) 16.00 KG 14.00 KG 0.02 M3	

7. Beförderer
TM Carrier1 DE
Dietmar-Hopp-Allee 17
69190 WALLDORF
DEUTSCHLAND

Erklärung des Absenders
Hiermit erkläre ich, dass der Inhalt dieser Sendung vollständig und genau durch die unten angegebene offizielle Benennung für die Beförderung beschrieben und richtig klassifiziert, verpackt, gekennzeichnet, bezettelt und mit Grosszetteln (Placards) versehen ist und sich nach den anwendbaren internationalen und nationalen Vorschriften in jeder Hinsicht in einem für die Beförderung geeigneten Zustand befindet.

9. Zusätzliche Informationen für die Handhabung

Bezeichnung der Güter	Bruttomasse (kg)	Nettomasse	Rauminhalt (m³)
er Zitrone (20L Fass)	420.000 KG	400.000 KG	0.420 M3
pylene glycol), 3, II, (D/E)			
Handreiniger (2x500ml)	16.000 KG	14.000 KG	0.016 M3

[Link to documentation](#)



Updated Business Processes and Functionalities

Dangerous Goods Management

Delivery of Dangerous Goods Regulations via Content Service

- Consume dangerous goods regulations, through a service interface with the regulatory content service, in SAP S/4HANA Cloud Private Edition and the SAP S/4HANA solution for product compliance
- Automate updates of dangerous goods regulations when regulatory changes and enhancements occur
- Allow users to continuously consume up-to-date compliance requirements for dangerous goods management from SAP
- Simplify the process for users to receive fast and frequent updates of dangerous goods regulations independent of the solution release

[Link to documentation](#)

SAP Activate Compliance Requirements

Standard

Search: [] What's Changed: [Update of Existing Version x 2 more] Status: []

New or Updated (16) Active (16) Inactive (0)

Compliance Requirement Version	What's Changed	Effective Date	End of Transition	Status	Configuration	Action
<input type="checkbox"/> CFR 49 as of May 30th 2023	Update of Existing Version	10.05.2023	10.05.2023	Released	Edit	Confirm
<input type="checkbox"/> ADG 2023	Update of Existing Version	01.04.2023	01.04.2024	Released	Edit	Confirm
<input type="checkbox"/> ADR 2023	Update of Existing Version	01.01.2023	30.06.2023	Released	Edit	Confirm
<input type="checkbox"/> ANTT 2023	Update of Existing Version	01.06.2023	01.06.2023	Released	Edit	Confirm
<input type="checkbox"/> IATA-DGR 2024	Update of Existing Version	01.01.2024	02.01.2024	Released	Edit	Confirm
<input type="checkbox"/> IMDG Code 2022	Update of Existing Version	01.01.2024	01.01.2024	Released	Edit	Confirm
<input type="checkbox"/> JT/T 617.3 2018	Update of Existing Version	01.12.2018	18.12.2023	Released	Edit	Confirm
<input type="checkbox"/> NCh382 2021	Update of Existing Version	01.01.2023	01.01.2024	Released	Edit	Confirm
<input type="checkbox"/> NOM-002-SCT/2011	Update of Existing Version	01.04.2011		Released	Edit	Confirm
<input type="checkbox"/> NZS HB 2021	Update of Existing Version	28.01.2021	28.01.2021	Released	Edit	Confirm
<input type="checkbox"/> RID 2023	Update of Existing Version	01.01.2023	30.06.2023	Released	Edit	Confirm
<input type="checkbox"/> SANS 2022	Update of Existing Version	16.09.2022	16.09.2022	Released	Edit	Confirm
<input type="checkbox"/> TDG 2020	Update of Existing Version	19.02.2020	19.02.2020	Released	Edit	Confirm
<input type="checkbox"/> UNRTDG 2023	Update of Existing Version	10.08.2023		Released	Edit	Confirm



Updated Business Processes and Functionalities

Project Control

- New Object-Based Authorization (OBA) in Project System enables customers to easily control the user access to individual project objects.
- Simplified maintenance and fine granular authorization handling for projects based on the new Object-Based Authorization (OBA)
- OBAs can be assigned to the following object types in Project System:
 - Project Definition , WBS element
 - Network Header, Network Activity and Activity Element
- OBAs can be granted to user groups or individual users.
- OBAs will be inherited automatically to lower-level project objects. On the lower level, however, additional (local) OBAs can be granted.
- Optimized performance during evaluation of object-based authorizations

Identification and view selection

Activity: 4001607 0010 Int. Processing 0010

Detail:

Overview(s):

Internal Extnl Dates Assignments **Object-Based Authorization** Long Text User fields Qualification Additional data

Object-Based Authorization

Show All
 Show Local

Authorization Group De...	Authorization Holder Name	Authorization Type Description	Inherited	Inherited From	Create	Default Authorization
User		Admin	<input checked="" type="checkbox"/>	Q.2017	<input checked="" type="checkbox"/>	
User		Admin	<input checked="" type="checkbox"/>	000004001607	<input checked="" type="checkbox"/>	
User		Read	<input checked="" type="checkbox"/>	Q.2017	<input type="checkbox"/>	
User Group		Admin	<input checked="" type="checkbox"/>	Q.2017	<input checked="" type="checkbox"/>	
User Group		Admin	<input type="checkbox"/>		<input checked="" type="checkbox"/>	

Maintenance of OBAs for a network activity

[Link to documentation](#)



Updated Business Processes and Functionalities

Project Logistics Control

Enablement of lean services procurement in project management:

- Assign functional items as well as items sets from contracts to unplanned services in project networks.
- Use the select from contract function to select unplanned services from contract
- Create service and material components by selecting item from model product specifications
- Leverage model product specifications to create lean service and material components
- Project Cost Overview and Project Cost Line Items apps have been enhanced to support service orders and service contracts

[Link to documentation](#)

Sel...	Hierarchy Nu...	Description	Material	Plant	P...	Mat...	Quantity	Qu...
<input type="checkbox"/>	1	Root Node 1					0,000	
<input type="checkbox"/>	1.1	Parent Node 1					0,000	
<input type="checkbox"/>	1.1.1	Child Node (Materials)					0,000	
<input checked="" type="checkbox"/>	1.1.1.1	Test Material		0001	1	01	12	EA
<input type="checkbox"/>	1.1.1.2	Test Material		0004	1	02	12	EA
<input type="checkbox"/>	1.1.1.3	Component 2	000000000000000295	0001	1	01	120	PC
<input type="checkbox"/>	1.1.2	Child Node (Services)					0,000	
<input checked="" type="checkbox"/>	1.1.2.1	Test Service		0001	2	02	12,0	HR
<input type="checkbox"/>	1.1.2.2	Test Services		0004	2	01	13,0	HR
<input type="checkbox"/>	1.1.2.3	Test Services		0001	2	01	13,0	HR
<input type="checkbox"/>	1.1.3	Child node (Invalids)					0,000	

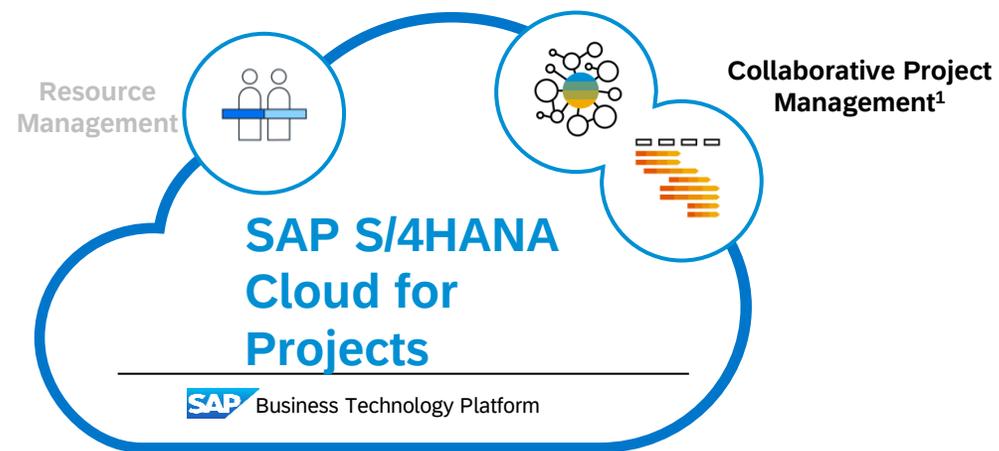
Sel...	Item	Hierarchy Number	I	P...	A	Material	Short Text	Overall Limit	Expected Value	Targ. Qty	OUn	Net Price	Per	OPU
<input type="checkbox"/>	10	1					Root Node 1				0,000		0,00	0
<input type="checkbox"/>	20	1.1					Parent Node 1.1				0,000		0,00	0
<input checked="" type="checkbox"/>	80	1.2					Parent Node 1.2	10.000,00	9.000,00		0,000		0,00	0
<input type="checkbox"/>	90	1.2.1		2	U		Test Service				10,0	HR	2.300,00	1
<input type="checkbox"/>	100	1.2.2		2	U		Test				2	EA	23,00	1



Out-of-the-Box Integration

Integration with S/4HANA Cloud for Projects, Collaborative Project Management

- Connect people, information and processes across intelligent enterprises and bridges processes in project planning, management and execution by connection with S4 HANA at the right point in time
- Project Collaboration / Project Networks – Digitize and automate information flow between all internal and external project stakeholders
- Multiple breakdowns in a project – Handle multiple dimensional structures according needs of different functions / phases
- Hybrid Project Management - Flexible transition from management to execution providing end-to-end transparency while enabling agile decision making



- Portfolio Management
- Project Management
- Project Accounting & Financial Control
- Project Logistics Control
- Project Sales & Billing

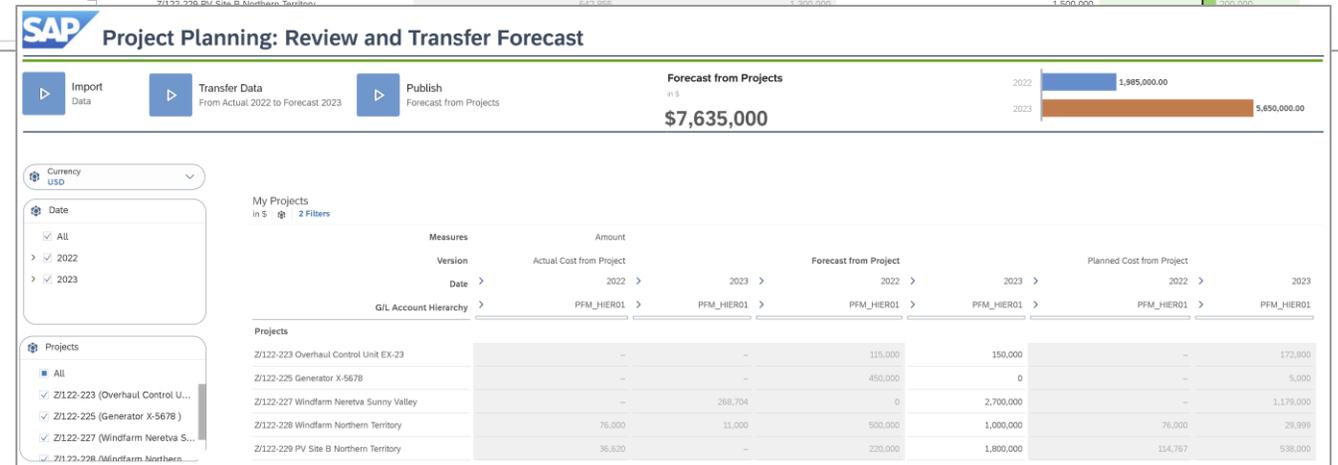
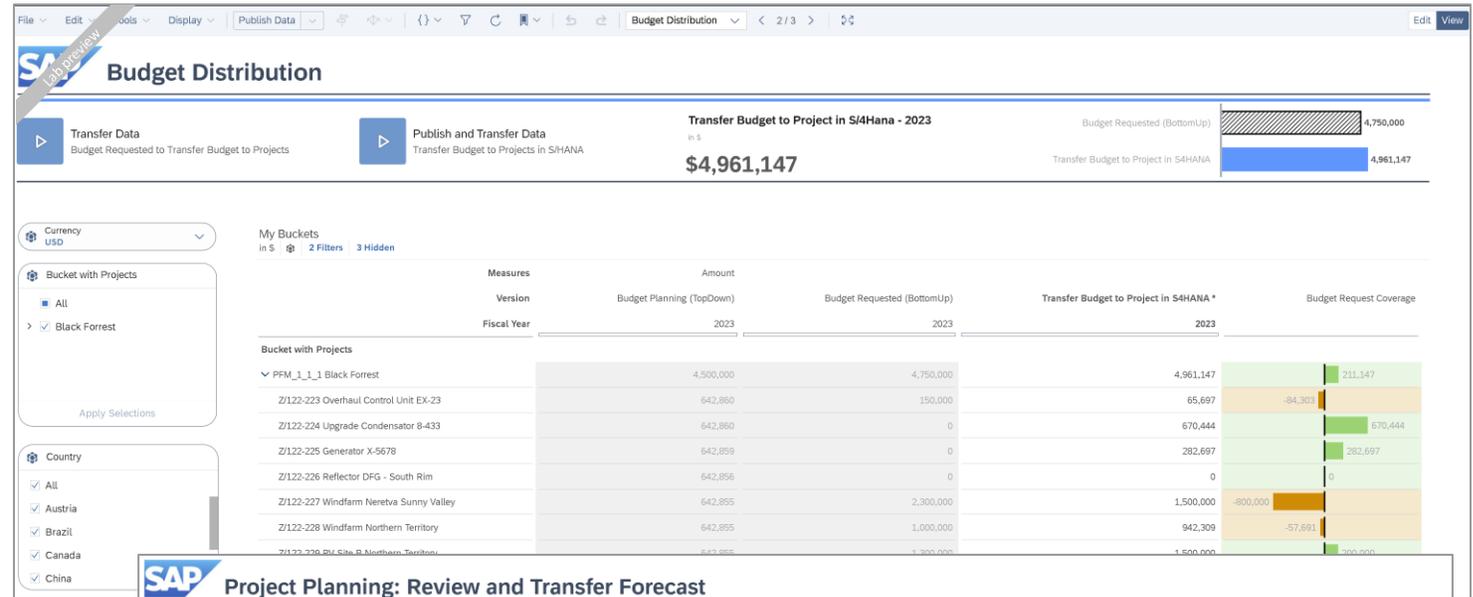
[Link to documentation](#)



Out-of-the-Box Integration

Planning of investments for a portfolio of projects with SAP Analytics Cloud

- SAP Analytics Cloud content package to support Portfolio Financial Planning process by aligning bottom-up and top-down planning
- Review Actual and Plan cost of projects from SAP S/4HANA
- Transfer approved financial plan to project in SAP S/4HANA





Out-of-the-Box Integration Project Network in API Hub

- Synchronous inbound service enables you to create, to read, to update and to delete the master data for the Project Network and the Project Network activity
- Enables to read the Project Network Activity Element, the Project Network Activity Milestone, the Project Network Activity Material Component, and the Project Network Activity Relationship master data
- OData version 4 service published on the API hub
- Improved processing & response times and includes lightweight JSON format that reduces the size of every response

The screenshot displays the SAP Business Accelerator Hub API Reference page. The top navigation bar includes 'SAP Business Accelerator Hub', 'Explore', 'Resources', 'Discover Integrations', and 'Partner with Us'. The main header shows the path '/ SAP S/4HANA' and the service 'Project Network' with a description: 'Create, read, update, and delete project network details using this synchronous inbound service'. Below this, there are tabs for 'Overview', 'API Reference' (selected), 'Schema View', and 'SAP Cloud SDK', along with a 'Select Release' dropdown set to '2022 FPS02'. The main content area lists several API endpoints for 'Project Network Data' and 'Project'.

Method	Endpoint	Description
GET	/ProjectNetwork	Get entities from ProjectNetwork
POST	/ProjectNetwork	Add new entity to ProjectNetwork
GET	/ProjectNetwork('{ProjectNetwork}')	Get entity from ProjectNetwork by key

Method	Endpoint	Description
GET	/Project	Get entities from Project
POST	/Project	Add new entity to Project
GET	/Project('{ProjectInternalID}')	Get entity from Project by key
PATCH	/Project('{ProjectInternalID}')	Update entity in Project
DELETE	/Project('{ProjectInternalID}')	Delete entity from Project
POST	/Project('{ProjectInternalID}')/SAP_self.SetUserStatusToProject	Invoke action SetUserStatusToProject
POST	/Project('{ProjectInternalID}')/SAP_self.SetAndPassUserStatusToProject	Invoke action SetAndPassUserStatusToProject
POST	/Project('{ProjectInternalID}')/SAP_self.ReleaseProject	Invoke action ReleaseProject
POST	/Project('{ProjectInternalID}')/SAP_self.UnlockProjectMasterData	Invoke action UnlockProjectMasterData
POST	/Project('{ProjectInternalID}')/SAP_self.UndoCompleteProjectTechnically	Invoke action UndoCompleteProjectTechnically

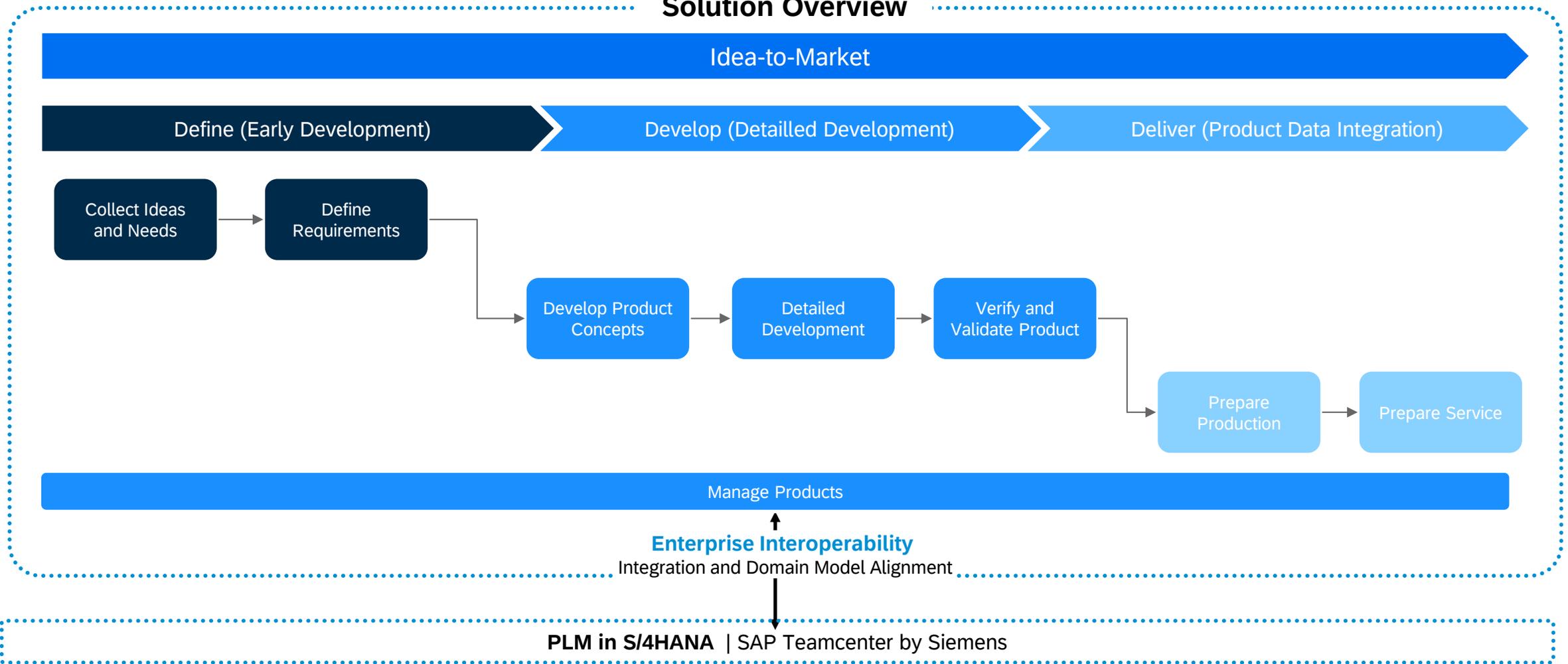
[Link to documentation](#)



Out-of-the-Box Integration

SAP Enterprise Product Development (SAP EPD) is a public cloud solution designed to drive the digital transformation of product development processes.

Solution Overview





Out-of-the-Box Integration

Effortless & secure collaboration with your extended enterprise through SAP Enterprise Product Development

- Collaborate with suppliers, development partners and contract manufacturers with SAP Enterprise Product Development
- Collaborate and share unstructured data and structured data like documents, Bills – of-Materials, Specifications, change records by leveraging out of box integration with SAP S/4HANA
- Collaborate through different stages of product lifecycles incl ideations, early design, product development, manufacturing and service with the extended enterprise
- Supplier Collaboration: Enables product teams to collaborate with Suppliers and Vendors to "exchange" product data for RFx processes

The screenshot shows the SAP My Collaborations interface. At the top, there is a search bar with the text "Search In: 'Apps'" and a "Go" button. Below the search bar, there are filter options for "Standard" and "All Favorites". The main content area displays a table of collaborations. The table has columns for Collaboration Name, Type, Created By, Created On, and Status. Each row includes a radio button, a star icon, and a right-pointing arrow.

Collaboration Name	Type	Created By	Created On	Status
Test 23Aug23	DFLT			Created
EQN_Coll_1	DFLT			Created
Workflow Due Date Test1	DFLT			Created
2307 Custom Storage without expiry	NONV			Created
System_PPX_35fcd81e-df95-44af-ae46-113d2894506b	DFLT			Created
System_PPX_ead707e8-f1f6-4467-af54-3b1aacfca556	DFLT			Created
Collab test 21Aug23	DFLT			Created
System_PPX_74a239f6-800e-46f6-a5fa-ef90613506f1	DFLT			Created
System_PPX_39492359-84fb-4989-1703-010-0-110-00	DFLT			Created

[Link to documentation](#)



Compatibility Packs for R&D

- CP ID – 439-441 – Product Data Foundation, Product Lifecycle Management
 - **Product Structure Management** replaces Product Designer Workbench, previously accessible via transaction PDN ([SAP Note: 2226431](#))
 - **Production versions** are used for Manufacturing BOM determination ([SAP Note: 2267880](#))
 - Use **DMS with SAP Document Center** instead of Easy DMS which is not available anymore ([SAP Note: 2267866](#))
 - Use HANA enabled enhanced functionality of **Enterprise Search**
 - **Classification** is renovated so that transactions may have changed functionality or may be completely removed ([SAP Note: 2213569](#))
 - **Use Change Record** for tracking, approving and facilitating (change management) purposes. The Engineering Change Record / Engineering Change Order functionality is not available anymore, and the PLM Web UI Engineering Record (ER) is part of the compatibility package (SAP Notes [2268043](#), [2267918](#))
- CP ID – 459-472 - Project Control
 - S4TWL - **Project System** - Compatibility Scope : <https://me.sap.com/notes/3265838/E>
- CP ID – 102 – Product Compliance
 - **New Product Compliance solution** replacing EHS Product Safety over time
 - S4TWL - Add-On: SAP Product and REACH Compliance (SPRC): <https://me.sap.com/notes/2267423>
 - You need to uninstall the add-on before you do a system conversion to SAP S/4HANA. Follow SAP Note [2298456](#) to perform the uninstallation.
- Detailed notes are accessible via the WayForward excel in <https://me.sap.com/notes/2269324>
- Complete list of simplifications see [here](#)

Supply Chain





SAP Cloud ERP Private differentiators

SAP HANA and Embedded Analytics



SAP HANA and Real-time Analytics

Inventory

- Stock - Single Material
- Inventory Turnover Analysis
- Slow or Non-Moving Materials
- Overview Inventory Management
- Dead Stock Analysis
- Inventory Analysis Overview
- Inventory KPI Analysis
- Display Serial Numbers
- Display Inventory Analytics Job Results

Adv Available to Promise

- Product Allocation Overview
- Monitor Product Allocation Periods
- Monitor Product Allocation Characteristic Value Combinations
- Monitor Product Allocation Order Items
- Monitor Allocation Object Changes
- Monitor Allocation Sequence Changes
- Monitor Allocation Value Combination Changes

Adv Transportation Management

- Allocation Detail Analysis - Analytical List Page
- Business Share Detail Analysis - Analytical List Page
- Freight Booking Execution Detail Analysis - Analytical List Page
- Freight Booking Execution Status Detail Analysis - Analytical List Page
- Freight Booking Quantity Detail Analysis - Analytical List Page
- Freight Order Execution Detail Analysis - Analytical List Page
- Freight Order Execution Status Detail Analysis - Analytical List Page
- Freight Order Quantity Detail Analysis - Analytical List Page
- Tendering Detail Analysis - Analytical List Page
- Transportation Costs Detail Analysis - Analytical List Page
- Transportation Invoice Blocked Detail Analysis - Analytical List Page
- Analyze Delivery Performance - Shipped as Planned

Warehouse Management

- Material Documents Overview
- Overdue Materials - Stock in Transit
- Overdue Materials - GR Blocked Stock
- Overview Inventory Processing

Ext Warehouse Management

- Warehouse KPIs - Operations
- Warehouse Outbound Delivery Orders
- Analyzer Warehouse Order
- Analyze Warehouse Task



SAP Cloud ERP Private differentiators

Data Products and Intelligent Applications



Data products

Explore a range of data products within Business Data Cloud designed to help businesses manage, analyze, and leverage their data.

These products include curated datasets, data integration tools, and analytical applications, all of which aim to enable data-driven decision-making.

[Available data products](#)

 Data Product Inventory Management Configuration Data Data Product Inventory Management Configuration Data Version 1.0.1 ACTIVE	 Data Product Reservation Document Data Product Reservation Document Version 1.0.1 ACTIVE	 Data Product Physical Inventory Document Data Product Physical Inventory Document Version 1.0.1 ACTIVE	 Data Product Storage Location Data Product Storage Location Version 1.0.0 ACTIVE
 Data Product Shipping Point Data Product Shipping Point Version 1.0.2 ACTIVE	 Data Product Delivery Management Configuration Data Data Product Delivery Management Configuration Data Version 1.0.0 ACTIVE		



SAP Cloud ERP Private differentiators

SAP Fiori



SAP Fiori Inventory Management

Delightful UX

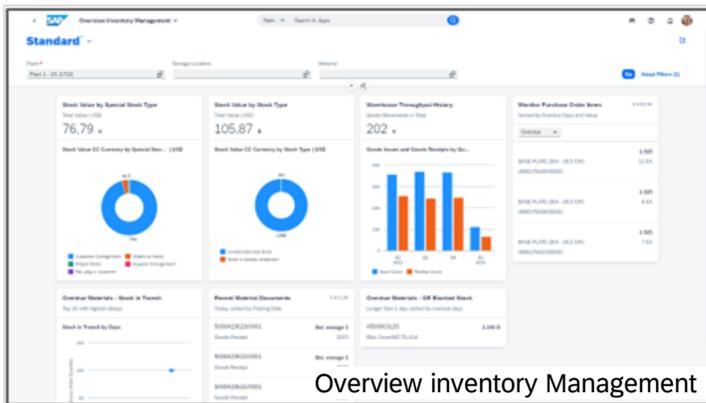
- **Role based views** providing transparency and simplified access to information
- **Overviews** available for giving insights on material documents, stock in transit, stock situation etc

KPIs and Insights

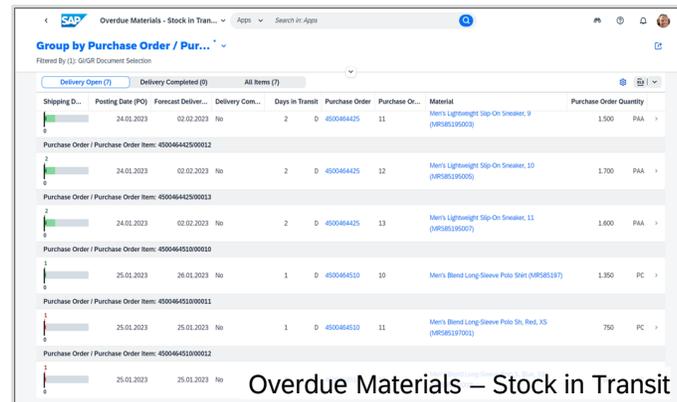
- **Clear structure and easy handling** of the goods movement, inventory, stock and physical inventory information
- **Analyze** and monitor goods movements, stock situations with real time responses

Authorization & Process Support

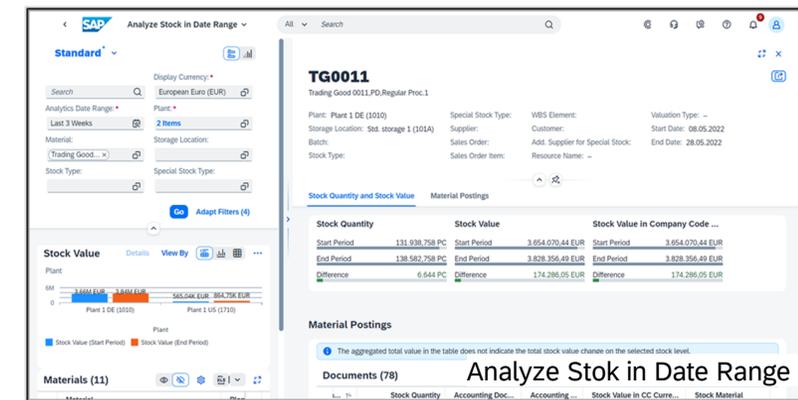
- **Authorization** support ensuring relevant information is displayed for relevant users
- **Situation Handling capabilities**, which automatically informs users responsible about matters that require their attention



Overview inventory Management



Overdue Materials – Stock in Transit



Analyze Stock in Date Range

[Link to documentation](#)



SAP Fiori Warehouse Management

Delightful UX

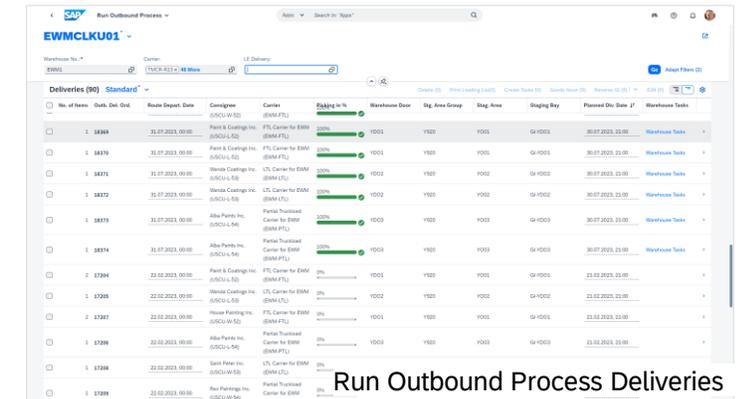
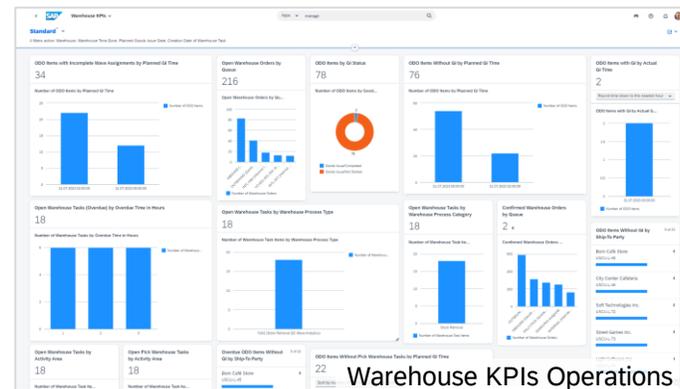
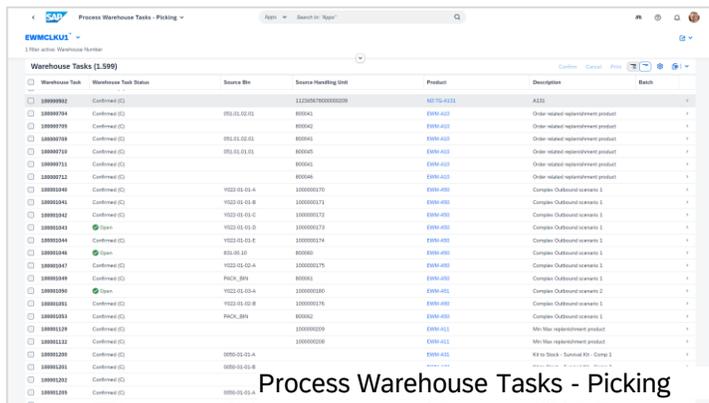
- **Role based views** providing transparency and simplified access to information
- **Easy to access content incl** Overview of Warehouse Documents, Inbound Delivery, Outbound Delivery, Process Warehouse Tasks – Picking, Putaway, Internal tasks **Embedded relevant data**, e.g., with follow on navigation to relevant objects

KPIs and Insights

- **Overview** of key performance indicators (KPIs) relevant to warehouse operations, for example, the total number of open warehouse tasks to be processed on the current date
- **Drill down** and navigation to relevant follow on reports and apps are enabled

Authorization & Process Support

- Authorization support ensuring relevant information is displayed for relevant users
- **Easy navigation** to the relevant business objects to execute follow on processes

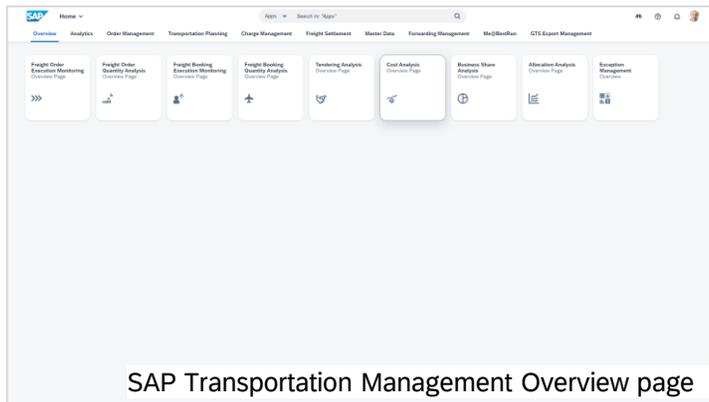




SAP Fiori Transportation Management

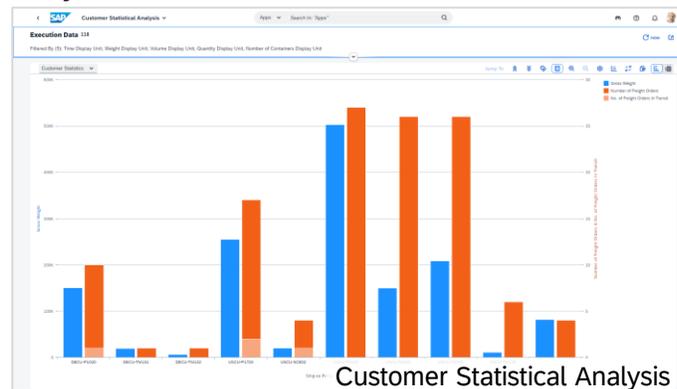
Delightful UX

- **Role based** single point of access for all relevant multi-modal Transportation processes
- **Easier and intuitive user experience** to run freight management, transportation planning, transportation execution, order management, charge freight settlement and analytics



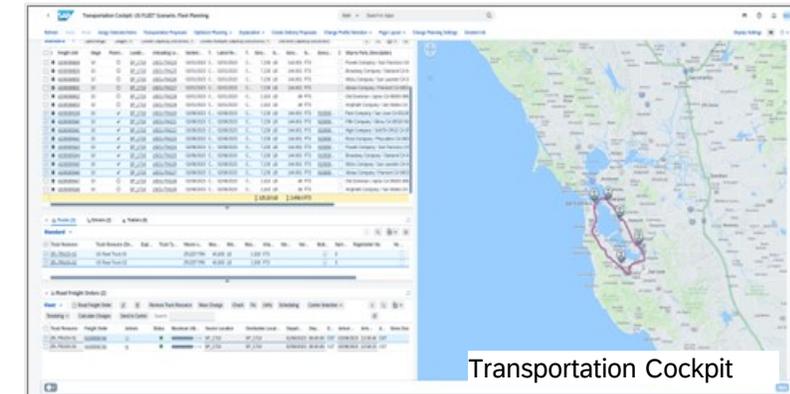
KPIs and Insights

- **Overview pages with KPIs** to manage your operational business
- **Real-time insights & statistical analysis** on various dimensions incl Freight Order, Customers, Carriers
- **Flexible reporting and drill down** capabilities into relevant business objects



Authorization & Process Support

- **Authorization** support ensuring relevant information is displayed for relevant users
- **Comprehensive** support for running the end-to-end transportation process from planning through execution to settlement with seamless integration to logistics processes



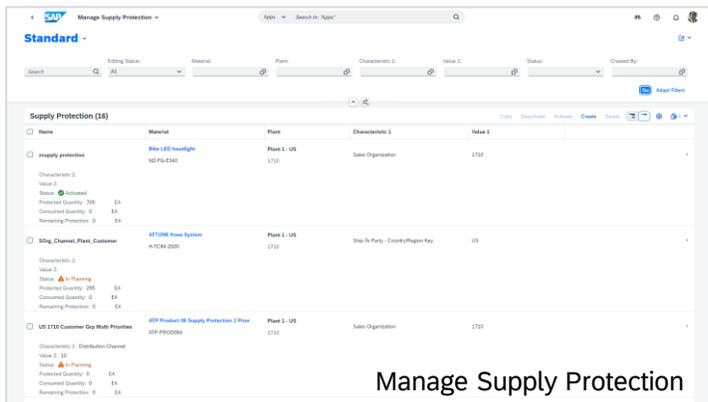
[Link to documentation](#)



SAP Fiori advanced Available to Promise

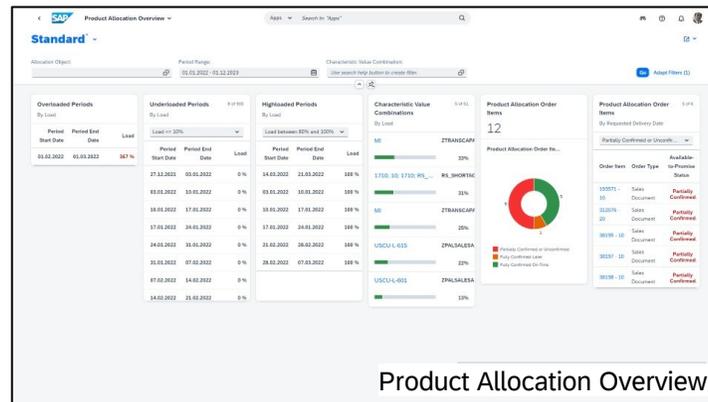
Delightful UX

- **Role based views** providing transparency and simplified access to information
- **Easy to access content** incl Product Allocation Overview, Manage Supply Protection, Back Order Processing Run with ABC, **Embedded relevant data**, e.g., with follow on navigation to relevant objects like sales orders



KPIs and Insights

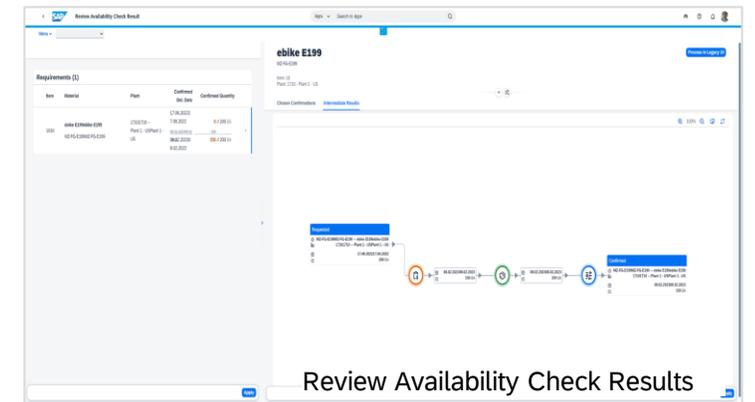
- **Intuitive overviews** providing insights on order promising situation
- **Real time** confirmation dates to demand elements like customer orders or stock transport orders, considering current and future supply elements in real time



Authorization & Process Support

With relevant authorizations, display availability situation of all line items of the sales order with delays and partial confirmation, if any

Enable follow on processes e.g. to Modify delivery schedules according to customer's wish during order creation/change

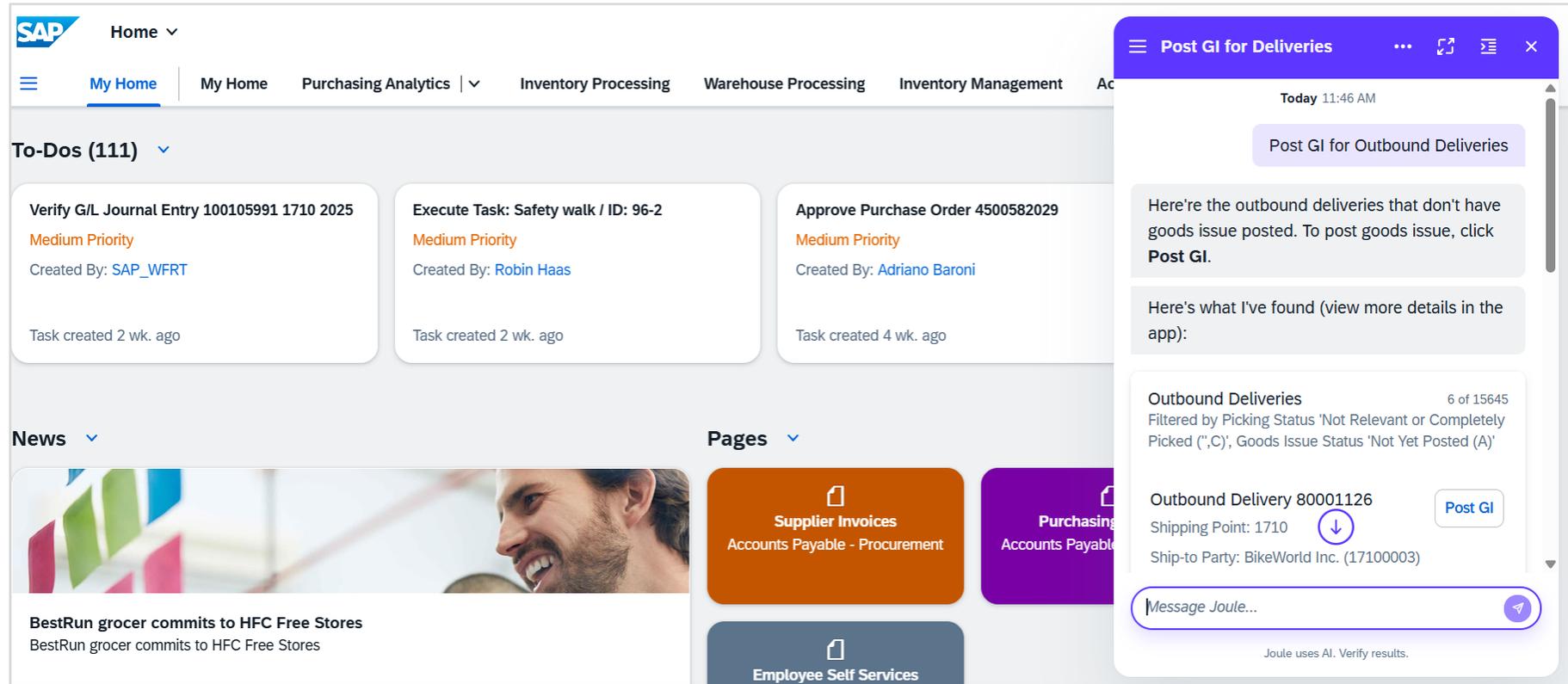




SAP Cloud ERP Private differentiators

Joule

Manage Outbound Deliveries



The screenshot displays the SAP Joule user interface. At the top, there is a navigation bar with 'SAP Home' and a dropdown menu. Below this, a secondary navigation bar includes 'My Home', 'Purchasing Analytics', 'Inventory Processing', 'Warehouse Processing', and 'Inventory Management'. The main content area is divided into three sections: 'To-Dos (111)', 'News', and 'Pages'. The 'To-Dos' section contains three task cards, each with a title, priority level, creator, and creation time. The 'News' section features a news card with a photo of a smiling man and the headline 'BestRun grocer commits to HFC Free Stores'. The 'Pages' section shows three large buttons for 'Supplier Invoices', 'Purchasing', and 'Employee Self Services'. A notification overlay titled 'Post GI for Deliveries' is positioned on the right side, displaying a message about outbound deliveries that lack goods issue posts, along with a list of specific delivery details and a 'Post GI' button.

Home ▾

My Home | My Home | Purchasing Analytics | ▾ | Inventory Processing | Warehouse Processing | Inventory Management | Ac

To-Dos (111) ▾

- Verify G/L Journal Entry 100105991 1710 2025**
Medium Priority
Created By: SAP_WFRT
Task created 2 wk. ago
- Execute Task: Safety walk / ID: 96-2**
Medium Priority
Created By: Robin Haas
Task created 2 wk. ago
- Approve Purchase Order 4500582029**
Medium Priority
Created By: Adriano Baroni
Task created 4 wk. ago

News ▾

BestRun grocer commits to HFC Free Stores
BestRun grocer commits to HFC Free Stores

Pages ▾

- Supplier Invoices**
Accounts Payable - Procurement
- Purchasing**
Accounts Payable
- Employee Self Services**

Post GI for Deliveries [Close]

Today 11:46 AM

Post GI for Outbound Deliveries

Here're the outbound deliveries that don't have goods issue posted. To post goods issue, click **Post GI**.

Here's what I've found (view more details in the app):

Outbound Deliveries 6 of 15645
Filtered by Picking Status 'Not Relevant or Completely Picked (,C)', Goods Issue Status 'Not Yet Posted (A)'

Outbound Delivery 80001126 [Post GI]
Shipping Point: 1710 [Down Arrow]
Ship-to Party: BikeWorld Inc. (17100003)

Message Joule... [Send]

Joule uses AI. Verify results.



SAP Cloud ERP Private differentiators

SAP Business AI



Intelligent technologies Machine Learning: Slotting

- Derive slotting rules automatically from the warehouse setup and product master
- Leverage machine learning algorithm and generate a statistics-based model from representative input data
- Leverage the machine learning and determine the three indicators of storage concept, namely, Put away control indicator, Stock removal control indicator and Storage section indicator for the product
- Reduce the effort of initial setup, with lower implementation effort to derive slotting rules automatically from the warehouse setup and product master

The screenshot displays the SAP Intelligent Scenario Management interface. At the top, there are filters for Intelligent Scenario (EWM), Package (All), Line of Business (All), Status (All), Scenario Type (All), and Created At (dd.MM.yyyy - dd.MM.yyyy). Below the filters is a table titled 'Intelligent Scenarios (3)' with columns for Package, Intelligent Scenario, Line of Business, Status, Intelligent Scenario Description, Scenario Type, and Created At. The table lists three scenarios: EWM_MACHINE_LEARNING, EWM_STKRML_IND_00, and EWM_STORSCTN_IND_00, all with a 'Published' status.

An inset window shows the 'Train Model' configuration for a model named 'CL_EWM_ISLM_PACI'. The model is of type 'Classification' and is trained based on 'CL_EWM_ISLM_PACI'. The 'Training Parameters' section is expanded, showing a table of items with their names, contexts, and values:

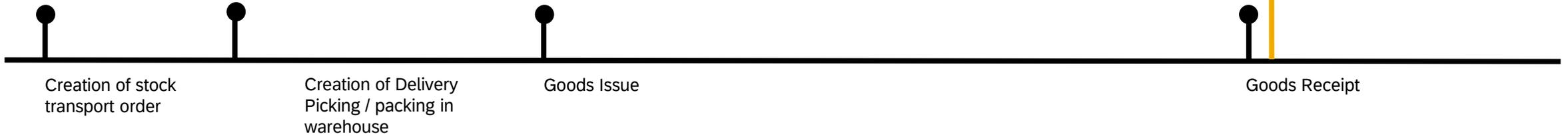
Name	Context	Value
PERCENTAGE		1
PARTITION_TRAINING_PERCENT		0.7
N_ESTIMATORS		100
MIN_SAMPLES_LEAF		1
SPLIT_THRESHOLD		1.00E-05
MAX_DEPTH		-1

[Link to documentation](#)



Intelligent technologies Machine Learning: Stock in Transit

When will my stock transports be delivered?



Transfer Stock - Cross-Plant

Issuing Plant: Plant 1 US (1710)
 Issuing Storage Location: Std. storage 1 (171)
 Stock Type: Unrestricted-Use Stock
 Current Quantity: 108,352.000 PC

Receiving Plant: Plant US20 (US20)
 Receiving Storage Location: Std. storage 1 (US)
 Stock Type: Unrestricted-Use Stock
 Current Quantity: 1,001.000 PC

*Document Date: 05/16/2018
 *Posting Date: 05/16/2018
 Forecast Delivery Date: 05/20/2018
 *Quantity: 200.000

Post Create Stock Transport Order Cancel

Shipping D...	Posting Date (PO)	Forecast Deliver...	Delivery Com...	Days in Transit	Purchase Order	Purchase Or...	Material	Purchase Order Quantity
24.01.2023	24.01.2023	02.02.2023	No	2	4500464425	11	Men's Lightweight Slip-On Sneaker, 9 (MR585195003)	1.500 PAA
24.01.2023	24.01.2023	02.02.2023	No	2	4500464425	12	Men's Lightweight Slip-On Sneaker, 10 (MR585195005)	1.700 PAA
24.01.2023	24.01.2023	02.02.2023	No	2	4500464425	13	Men's Lightweight Slip-On Sneaker, 11 (MR585195007)	1.600 PAA
25.01.2023	25.01.2023	26.01.2023	No	1	4500464510	10	Men's Blend Long-Sleeve Polo Shirt (MR585197)	1.350 PC
25.01.2023	25.01.2023	25.01.2023	No	1	4500464510	11	Men's Blend Long-Sleeve Polo Sh, Red, XS (MR585197001)	750 PC
25.01.2023	25.01.2023	25.01.2023	No	1	4500464510	12	Men's Blend Long-Sleeve Polo S, Blue, XS (MR585197002)	600 PC

[Link to documentation](#)



Intelligent technologies

Generative AI - Conversational planning in the transportation cockpit

- Enhance efficiency in transportation planning by enabling the end user to carry out various planning operations in the transportation cockpit using natural language.
- Conversational planner enables planning of freight units on freight orders, trucks.
- Natural language can be used to plan trucks on freight orders
- Gain additional insights & save time by leveraging the AI based response on queries on various lists & hierarchies like freight unit, road freight order and truck resource lists

The screenshot displays the SAP Transportation Cockpit interface. At the top, there's a search bar and navigation options. A red box highlights the 'Conversational Planning' section, which includes a text input field with the placeholder 'add product quantities to the stages' and a 'Submit' button. Below this, there are three main panels:

- Freight Unit Stages (100):** A table with columns for Freight Unit, Stage, Conversational Planning Response, Plan..., Exec..., Loading Location Descri..., and Unloading. A red box highlights the 'Conversational Planning Response' column, which contains AI-generated responses like 'quantity=400 EA'.
- Map - Quick Add Mode:** A map showing various geographical locations across Europe and Africa, with a search bar and navigation controls.
- Trucks (4):** A table with columns for Truck Resource, Truck Resource (Description), Conversational Planning Resp..., Equipment Gr..., and Truck Ty. It lists resources like 'Mercedes-Benz Actros Truck 10T' and 'Volvo Sprinter Van 3T'.

At the bottom, there's a section for 'Road Freight Orders (0)' with a table that currently shows 'No data available'.



Intelligent technologies

Creation of inbound cargo documents based on shipment and delivery documents

- Improve operational efficiency and saving valuable time by automating the checking of paper based documents by AI technology
- Expedite the process of unloading freight by significantly reducing manual checks at the gate
- Support for the document types of delivery notes and shipping documents
- Integration to unified package builder to support the building of packaging hierarchy for shipping documents
- Flag exceptions in freight orders by enabling clerks in the back office to focus on handling the exceptions incl item , quantity and header data mismatches
- Significant reduction in the hours spent on manual checks and waiting times for trucks

The screenshot displays the SAP interface for editing a consignment order. The top section shows a table of attachments, including an 'Inbound delivery document'. The bottom section shows the 'All Items' hierarchy, listing various packages and products with their respective quantities and external package IDs. A red box highlights 'Package 100 T42 Euro Pallet' and 'Package 90 Carton 1' in the hierarchy, and another red box highlights 'PACK003' in the 'External Package ID' column of the table below.

Item Hierarchy	External Delivery Number	Product	Qua...	External Package ID	Qua... UoM
Consignment Order			4		PAL
T42 Freight Unit 4100028774			2		PAL
Package 100 T42 Euro Pallet		T42_EURO_PALLET	1	PACK003	PAL
Package 90 Carton 1		T42_CSTO_1	1		CAR
Product 40 Brake	2024101499B	DOX_PROD_01	5		EA
Package 120 T42 Euro Pallet		T42_EURO_PALLET	1	PACK004	PAL
Package 110 Carton 1		T42_CSTO_1	1		CAR
Product 80 Brake	2024101499B	DOX_PROD_01	5		EA
T42 Freight Unit 4100028775			2		PAL
Package 140 T42 Euro Pallet		T42_EURO_PALLET	1	PACK001	PAL
Package 130 Carton 1		T42_CSTO_1	1		CAR
Product 10 Brake	2024101499A	DOX_PROD_01	5		EA
Package 160 T42 Euro Pallet		T42_EURO_PALLET	1	PACK002	PAL
Package 150 Carton 1		T42_CSTO_1	1		CAR
Product 70 Brake	2024101499A	DOX_PROD_01	5		EA

Discovery Center



Intelligent technologies Predictive Labor Demand planning

- Use machine learning algorithms to analyze the historical workload data, Labor Demand Planning provides accurate predictions for task durations, eliminating the need for extensive preprocessing or reliance on Engineered Labor Standards (ELS)
- Identify the operational bottlenecks inside of the warehouse
- Optimize labor allocation and reduce inefficiencies by predicting the time required for tasks such as picking, packing, and outbound deliveries.
- Save costs on warehouse labor and identify work efficiency improvements
- Monitor, analyze, and forecast labor demand using interactive charts and key performance indicators (KPIs)



Discovery Center



SAP Cloud ERP Private differentiators

Situation Handling



Intelligent technologies Situation Management

Some examples:

[Multiple Matches Alert in Supply Protection](#)

[Stock Transport Order Overdue](#)

[Physical Inventory Monitoring](#)

[Handling Unit Situation](#)

Blog series Situations Handling

Situation templates

SAP Overdue Materials - Stock in Transit

Standard* 3 filters active: GI/GR Document Selection, Purchase Order, Purchase Order Item

Delivery Open (78) | Delivery Completed (0) | All Items (78)

Shipping Duration	Posting Date (PO)	Forecast Delivery...	Delivery Comp...	Days in Transit	Purchase Order	Purchase Ord...	Material
	09/09/2025	09/28/2025	No	71	D 4520000110	10	SEMI203,D1 (S-203)
	09/10/2025	09/29/2025	No	70	D 4520000228	10	SEMI203,D1 (S-203)
	09/10/2025	09/29/2025	No	70	D 4520000239	10	Handelsware 11, PD
	09/10/2025	09/29/2025	No	70	D 4520000241	10	Handelsware 11, PD
	09/11/2025	09/30/2025	No	69	D 4520000288	10	SEMI203,D1 (S-203)
	09/12/2025	10/01/2025	No	68	D 4520000359	10	SEMI203,D1 (S-203)
					D 4520000412		

By Date | By Type | By Priority

Stock transport order is overdue ×

Overdue Stock Transport Orders: 78 owned by purchasing order 4520000110, 4520000228, 4520000239,...

12 minutes ago [Show More](#)

Stock transport order is overdue ×

Overdue Stock Transport Orders: 77 owned by purchasing order 4520000110, 4520000228, 4520000239,...

1 day ago [Show More](#)

Stock transport order is overdue ×

Overdue Stock Transport Orders: 76 owned by purchasing order 4520000110, 4520000228, 4520000239,...

2 days ago [Show More](#)

Stock transport order is overdue ×

Overdue Stock Transport Orders: 73 owned by purchasing order 4520000110, 4520000228, 4520000239,...

4 days ago [Show More](#)

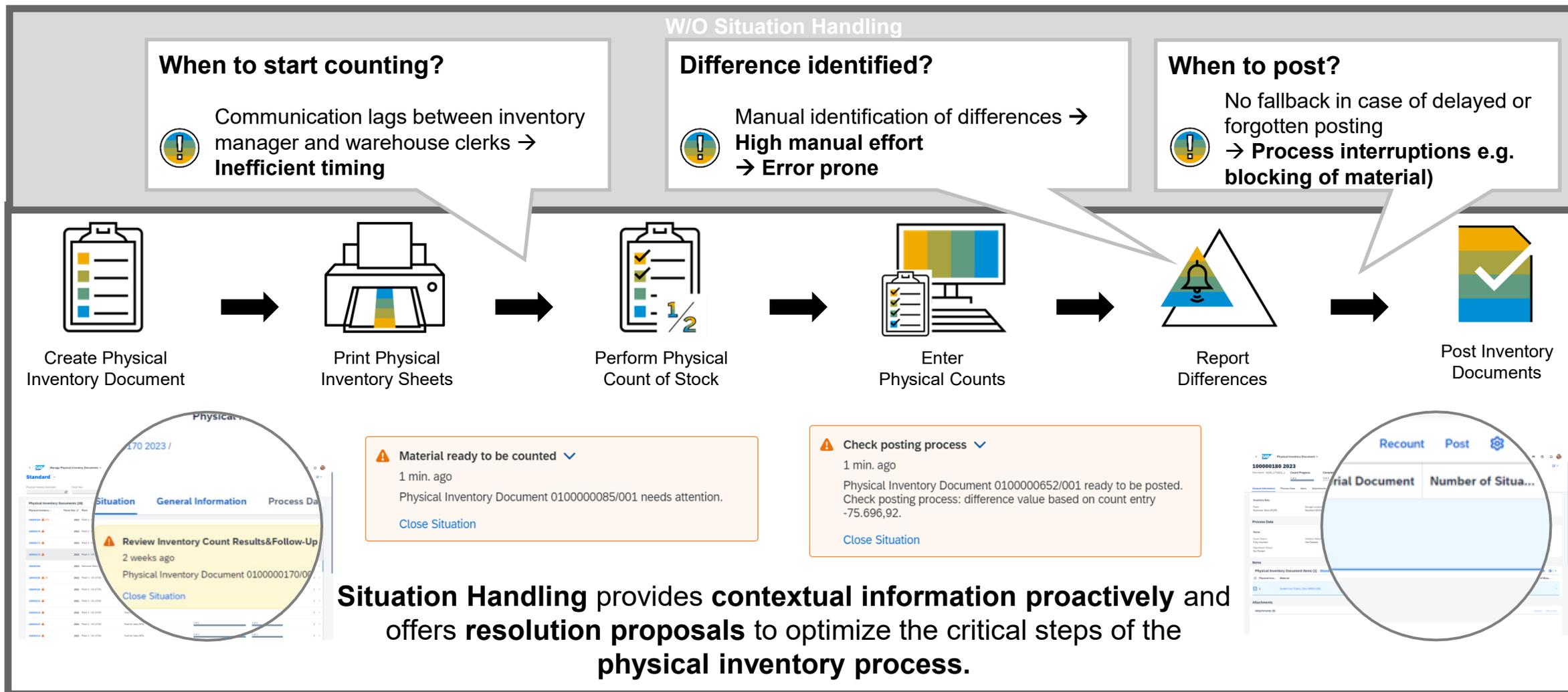
Stock transport order is overdue ×

Overdue Stock Transport Orders: 73 owned by purchasing order 4520000110, 4520000228, 4520000239,...

5 days ago [Show More](#)



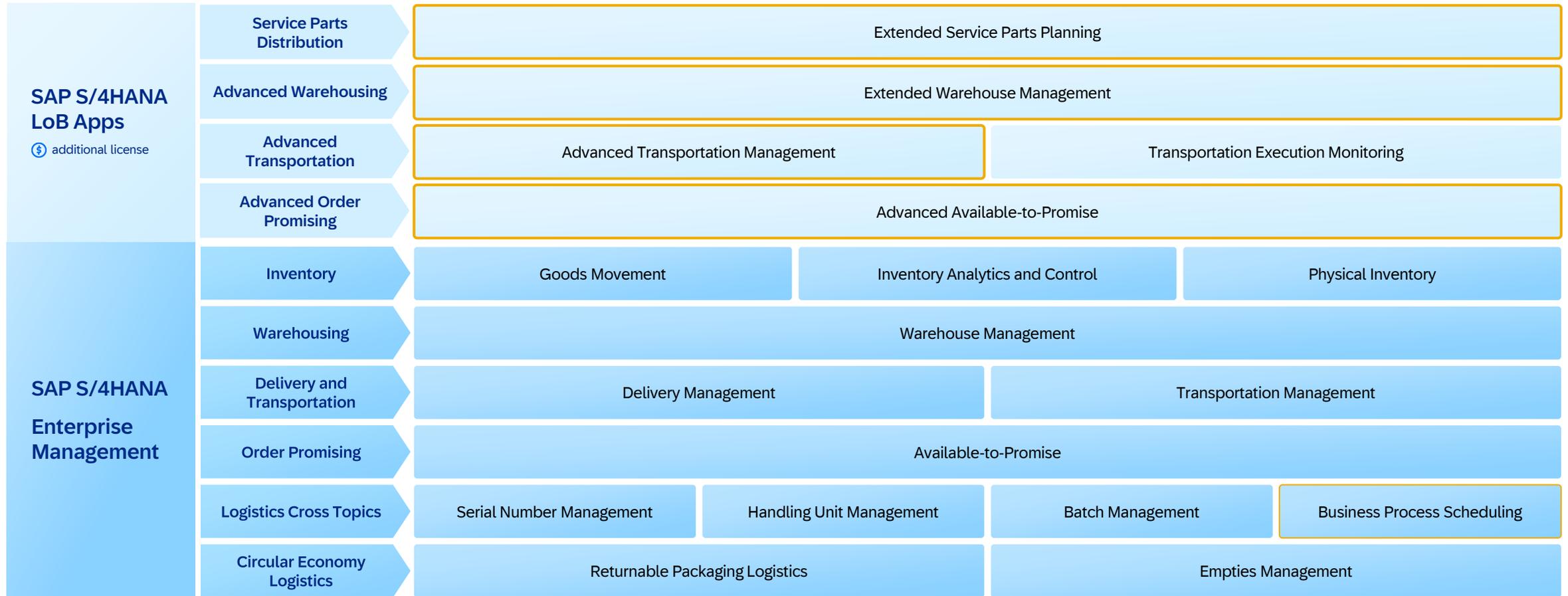
Intelligent technologies Situation Handling: Physical Inventory



[Link to documentation](#)



New Business Processes Business Area and Business Capability Overview



New business capabilities in SAP S/4HANA



New Business Processes and Functionalities

Extended Warehouse Management

SINCE 2006



N:M



SAP EWM connected to SAP ECC

SINCE 2015



N:M



SAP EWM connected to SAP S/4HANA

SINCE 2016



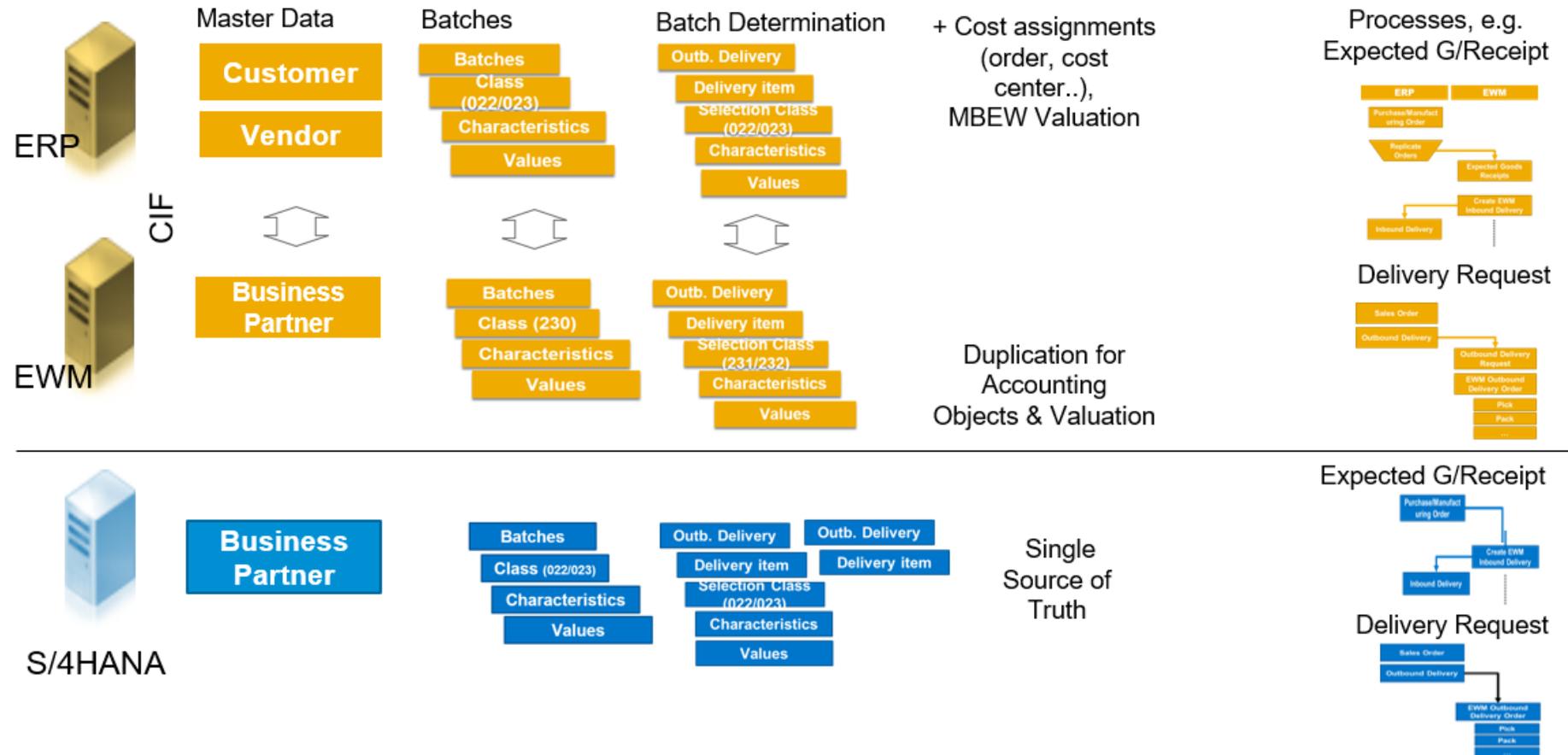
EWM embedded in SAP S/4HANA



New Business Processes and Functionalities

Extended Warehouse Management

- Simplified data & processes
- Customers wanting to leverage SAP S/4HANA Extended Warehouse Management in a extra stack scenario can alternatively also use the EWM solution *side-by-side*



[Link to documentation](#)



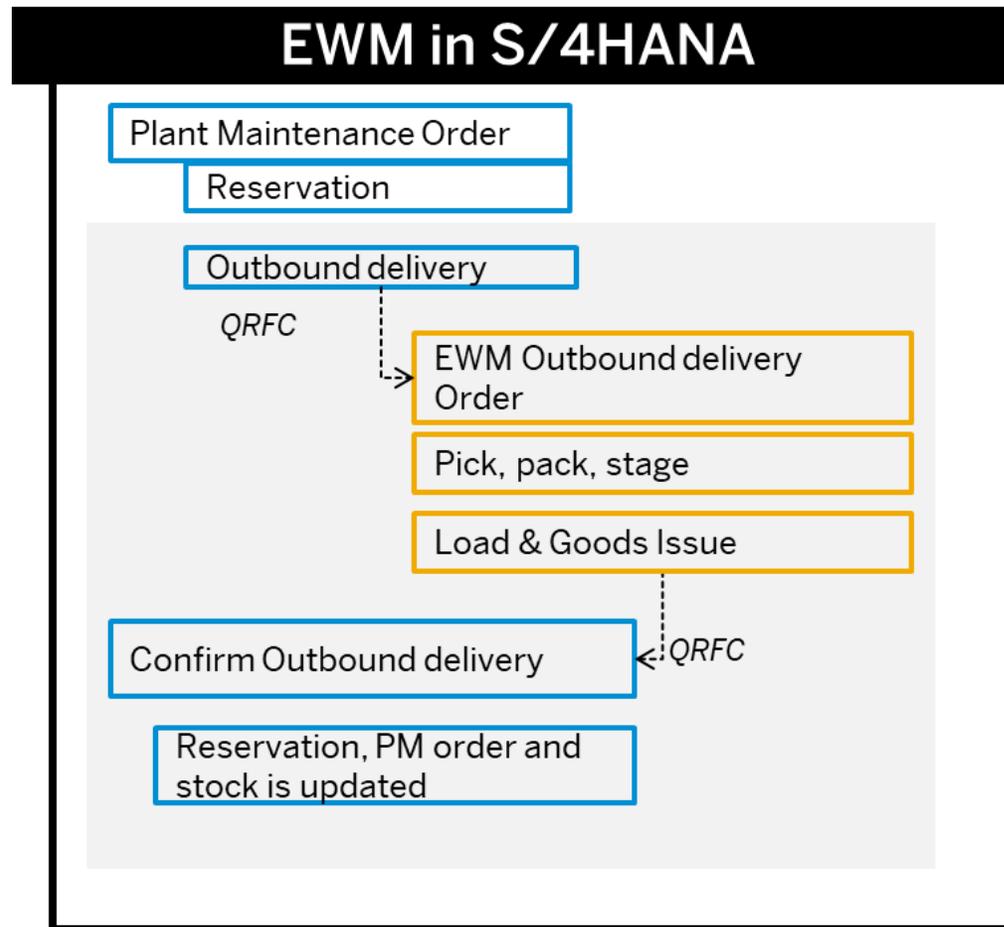
New Business Processes and Functionalities

Extended Warehouse Management

Plant Maintenance Integration

- New plant specific “Recipient Location” in PM orders
- Seamless integration between warehouse management and Plant maintenance operations
- Synchronous updates of stock in inventory management and in warehouse management
- Replication of recipient location master data to EWM via report
- Staging Area Determination based on recipient location
- EWM Outbound Delivery Orders Contain PM Information (PM Order, Reservation, PM Order Operation, Cross-Docking Identification)
- Post Unplanned Goods Issues with Reference to Plant Maintenance Orders

[Link to documentation](#)





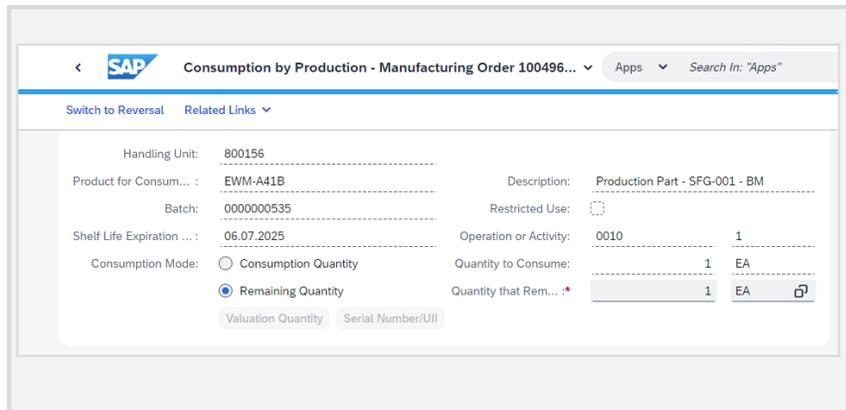
New Business Processes and Functionalities

Extended Warehouse Management

Tightly integrate manufacturing with warehouse execution

Staging & consumption

- Production/Process order in EWM
- EWM controls material flow
- Work Center / RF / MES
- Posts consumption in EWM



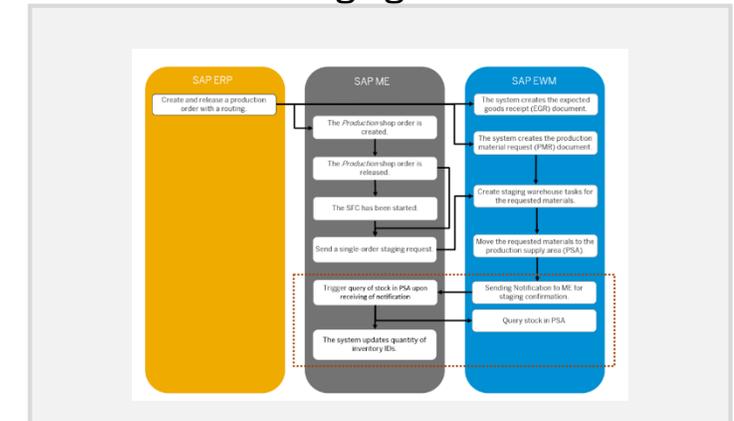
Receipt of finished / semi finished goods from production

- API for receipt from external system
- Warehouse executes production staging, issues and receipts
- Performance



MES integration

- Good Receipt & Goods issue in EWM with SAP MII interface
- Good receipt posing using CTC wizards with SAP ME integration
- Integration for staging and confirmation
- MES Driven staging with DMC



Improve inventory visibility and control as material movements are posted in real time in the warehouse

[Link to documentation](#)

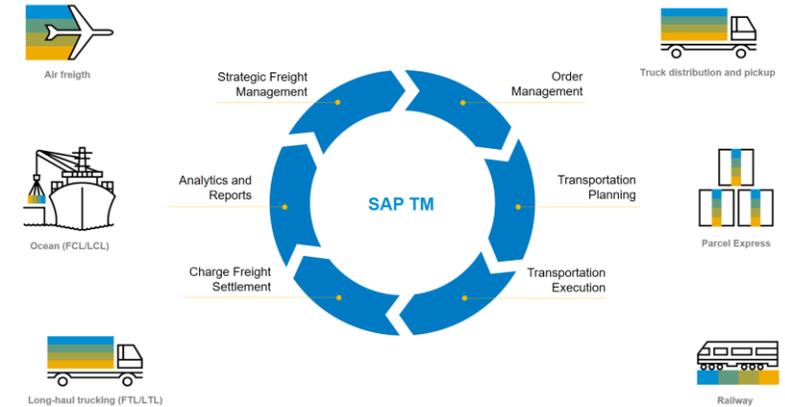


New Business Processes and Functionalities

Advanced Transportation Management

Transportation Management is now embedded in SAP S/4HANA

- Provide user interface within SAP S/4HANA
- Harmonize concepts for business partner, location and product master data
- Working with real-time embedded analytics
- Provide system and process integration in SAP S/4HANA Enterprise Management



SAP S/4HANA Transportation Management



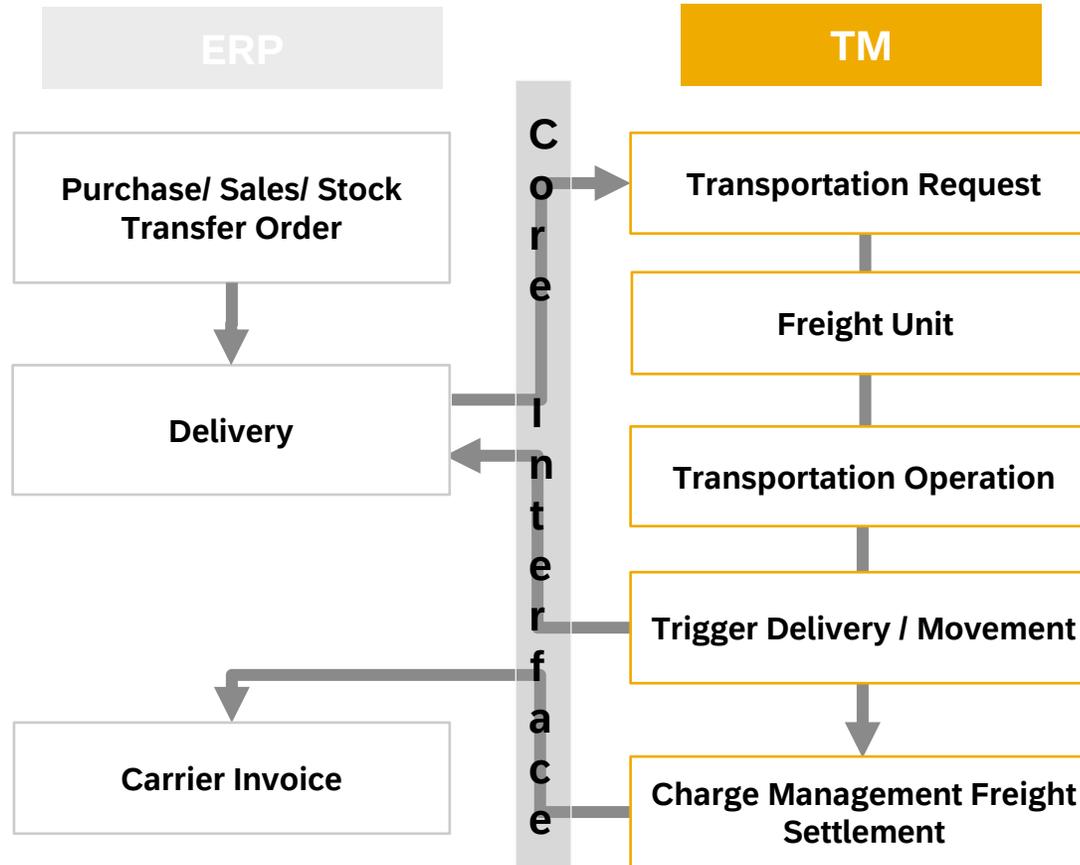
[Link to documentation](#)



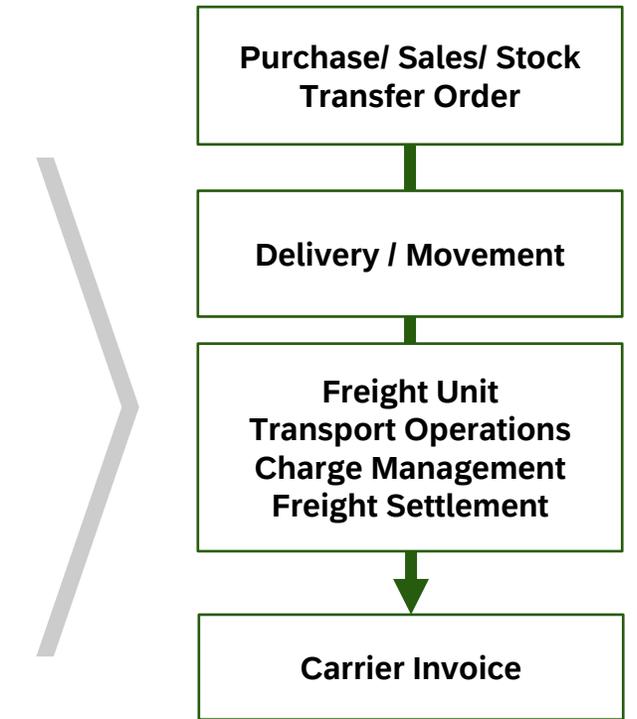
New Business Processes and Functionalities

Advanced Transportation Management

- With **Transportation Management** embedded in SAP S/4HANA, companies can avoid costly data replication, extensive customization & interface maintenance, multiple UI support and additional hardware
- Customers wanting to leverage SAP Transportation Management in a hub scenario can alternatively also use the Transportation Management solution *side-by-side*



TM in SAP S/4HANA



Less documents, less process steps , lower TCO

[Link to documentation](#)

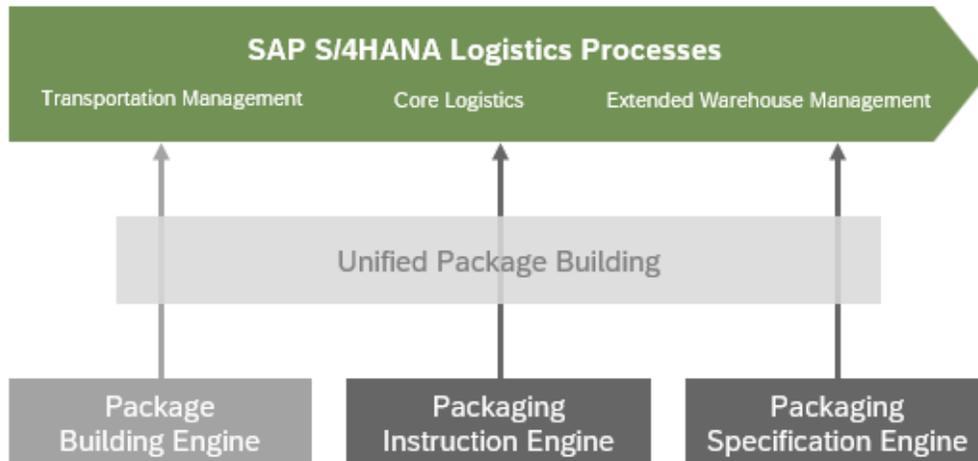


New Business Processes and Functionalities

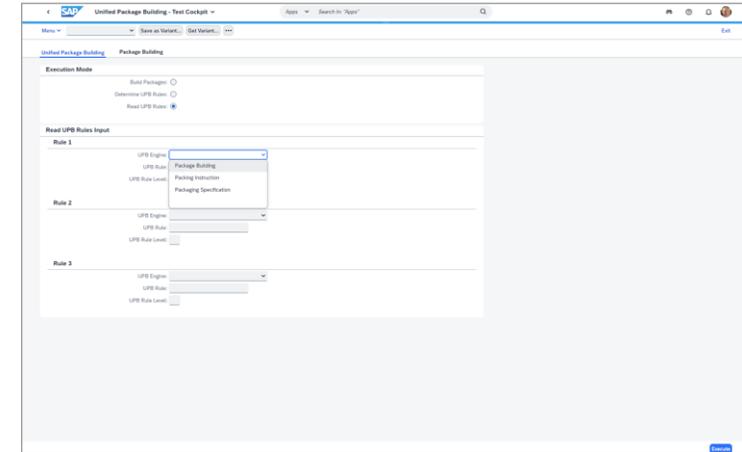
Advanced Transportation Management | Extended Warehouse Management

Unified Package Builder

- Build packages according to different available **packaging master data and engines**
- Use existing packaging settings **more flexibly** in a broader range of business processes
- Leverage the **optimization capabilities** of Package Builder Optimizer in additional scenarios
- Create related **business documents** on the fly via Unified Package Builder



[Link to documentation](#)



Processes consuming Unified Packaging Building

SAP S/4HANA Transportation Management

- Freight unit creation for e.g sales orders/forwarding orders, based on capacity documents

SAP S/4HANA Extended Warehouse Management

- Packing in outbound delivery process/ posting change/stock transfer, RF receiving from production, deconsolidation and repacking in inbound deliveries

SAP S/4HANA Logistics General

- Packing in deliveries - outbound/inbound, discrete/repetitive manufacturing, handling units from stock



New Business Processes and Functionalities

Advanced Transportation Management

Greenhouse gas emissions

- Enhanced support for sustainability through enabling of greenhouse gas calculations
- Emission parameters can be set based on vehicle types
- Emissions for road freight orders are calculated during manual planning and automated vehicle scheduling and resourcing.
- Intuitive reporting through freight orders and cockpit

SAP Edit Freight Order with Subcontracting 6100160750

Edit Refresh Copy Other Copy Options Check Follow Up Scheduling Subcontracting Create Service Order Schedule Set Status Load/Unload Plan Status (Stop) Execution Status Fixing Customs Charges/Settlement

Emission

Calculated Emission
 Calculated Emission: 371.265 KG
 Emission Allocation Method: Distance Weight based Calculation

Reported Emission
 Reported Emission: 535.5 KG Report Emission

Stages

Standard * | Insert Merge | Execution Status (Source) Execution Status (Destination) Determine Distance and Duration

Stage	Source Location	Source Loc... Address	I... Destination A... Location V...	Destination ... Address	I... Handli... A... Execut... V... Status	Distance	Distance Unit of Measure	Net Duration	Depart... Fixed	Planned Departure Date	Planned Depart... Time Z...	Planned Depart... Time Z...	Actual Departure Date	Actual Depart... Time Z...	Actual Depart... Time Z...	Planned Arrival Date	Planned Arrival Time	Planned Arrival Time Z...	Actual Arrival Date	Actual Arrival Time	Actual Arrival Time Z...	Maximu Utilizati...
<input type="checkbox"/> 1	PW_A		PW_B		◆	21.999	KM	0:16	N...	00:00...	CET	00:00...	00:00...	CET	00:00...	00:00...	CET	00:00...	00:00...	CET	00:00...	
<input type="checkbox"/> 2	PW_B		PW_C		◆	8.486	KM	0:06	N...	00:00...	CET	00:00...	00:00...	CET	00:00...	00:00...	CET	00:00...	00:00...	CET	00:00...	
<input type="checkbox"/> 3	PW_C		PW_D		◆	7.186	KM	0:05	N...	00:00...	CET	00:00...	00:00...	CET	00:00...	00:00...	CET	00:00...	00:00...	CET	00:00...	

General Data Business Partner Items Utilization Subcontracting Document Flow Charges Notes Attachments Statuses Blocking Information Administrative Data Terms and Conditions Output Management

Execution

Overview

Document References

Save Cancel

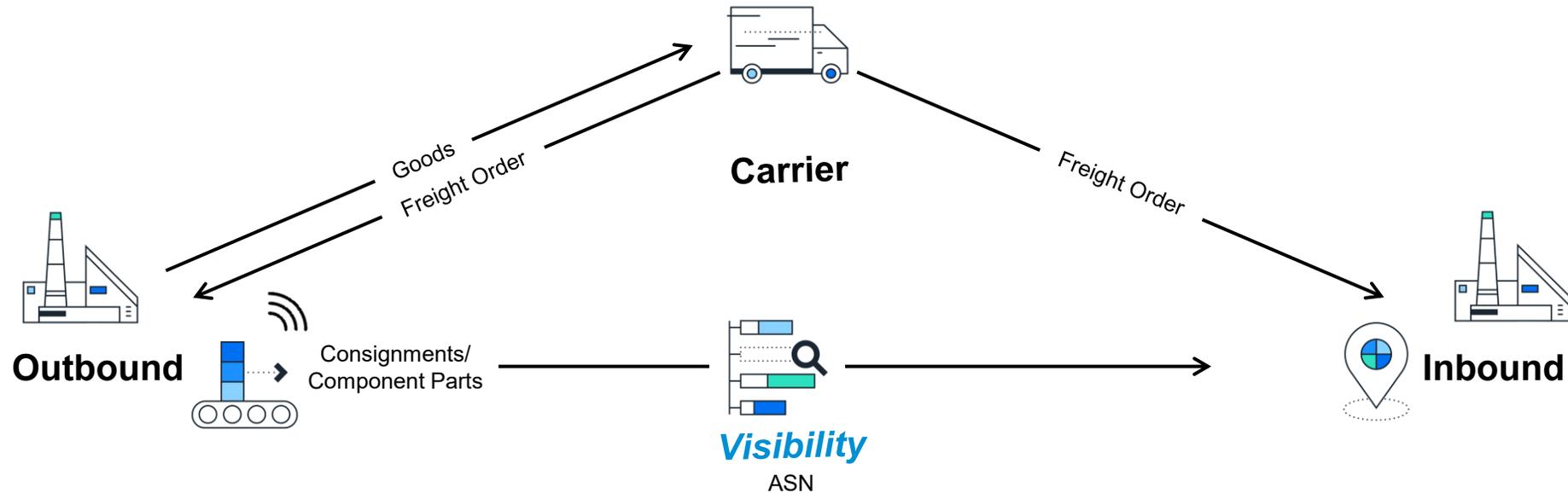


New Business Processes and Functionalities

Advanced Transportation Management

Advanced Shipping and Receiving

Harmonized processes in Outbound and Inbound for better visibility and efficient execution



 Seamless **integration** between companies

 **Simplified** processes

 Increased business **productivity**

 **Functional enhancements**

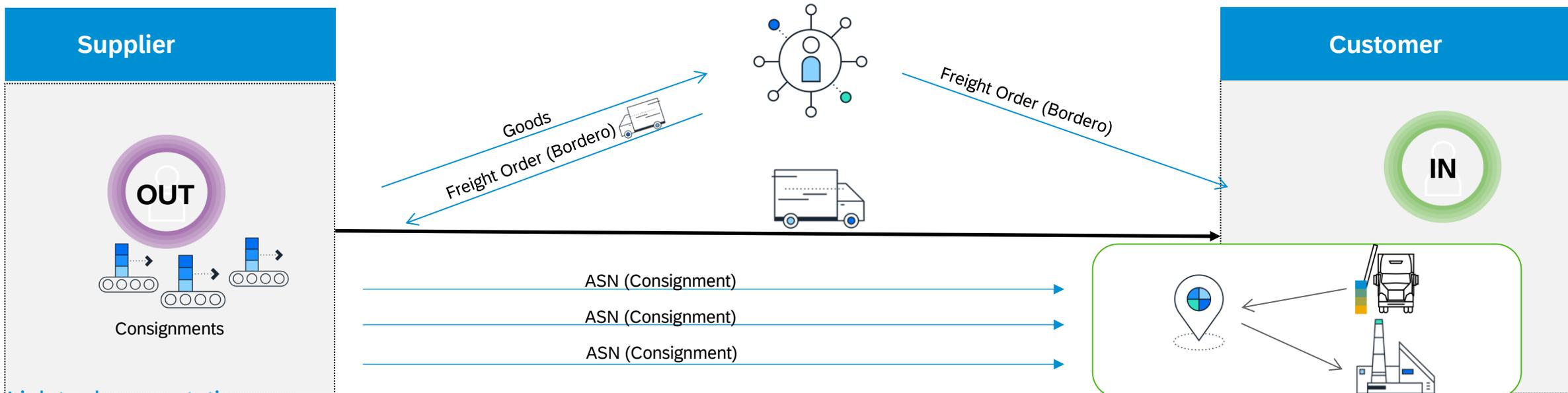


New Business Processes and Functionalities

Advanced Transportation Management

Advanced Shipping and Receiving

- New logistic execution in SAP S/4HANA on harmonized objects
- **Harmonized** Shipping and Receiving
- Better alignment with **industry standards** e.g. EDIFACT
- Support of **new functions** (e.g. multi pick/multi drop)
- Enablement of **new scenarios** (Modular Logistics)



[Link to documentation](#)

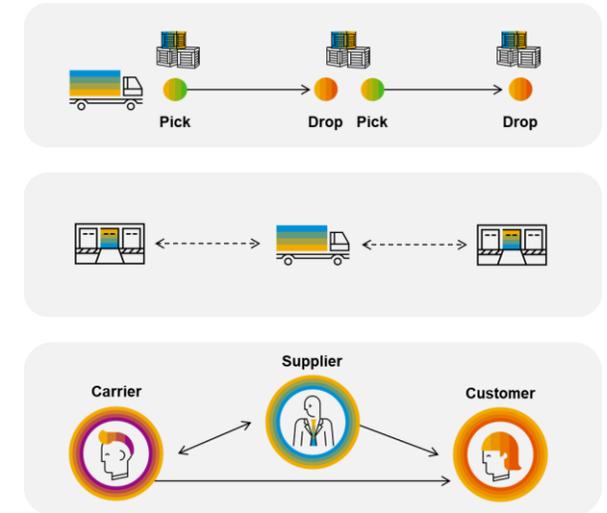
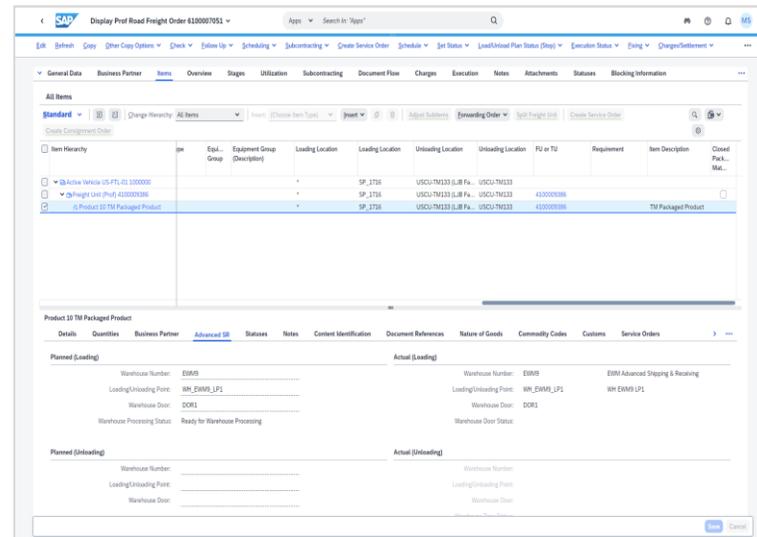
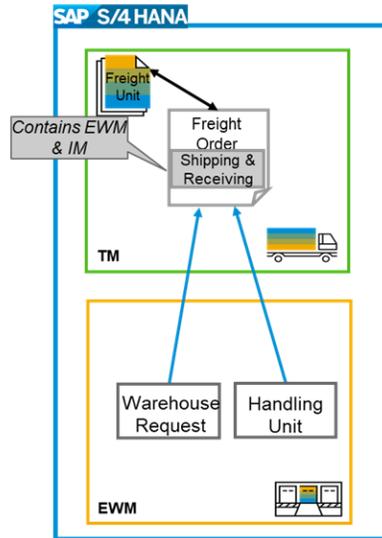


New Business Processes and Functionalities

Advanced Transportation Management

Advanced Shipping and Receiving

New Solution (one system)



General strategy

- Reduced redundancy in business objects
- New integration without TUs
- Integration approach for basic EWM and basic TM

[Link to documentation](#)

Inbound & Outbound

- New execution UI for freight orders
- Warehouse view of a Freight Order
- Extend & strengthen logic for creation and update of deliveries (especially transfer of package information), incl. GR/GI
- Support mixed and multi warehouse scenarios within one Freight Order location stop with regards to materials management (IM managed, EWM managed)

New Features and Processes

- Support for inbound/outbound, STO and planned customer returns processes
- Multi pick multi drop
- Cross warehouse loading/unloading
- Integration with business partners



New Business Processes and Functionalities

Advanced Transportation Management

Advanced Shipping and Receiving

Cross delivery handling unit

- Optimize transportation loads by increased consolidation of shipping items
- Consolidation of deliveries into a single handling unit helps to reduce transportation and handling costs
- Enables creation of handling units like cartons or pallets for items from two or more outbound deliveries
- Create HUs for items in different outbound deliveries and communicate the packaging information to Transportation Management (TM) where this is displayed as package item in the freight unit.
- Support for warehouse driven and transport driven scenarios of transport planning

SAP Edit T42 FO basic (nosubc/nochrg/nosett) 6100001806

Edit Refresh Copy Other Copy Options Check Follow Up Scheduling Subcontracting Create Service Order Schedule

General Data Business Partner Items Overview Stages Utilization Subcontracting Drivers Document Flow

Standard * Change Hierarchy: Overview - Shipping

Details	Activity	Maxim... Utiliza...	Document	Load Plan Status	Unload Plan Status	Handling Execution Status
Active Vehicle T42_MTR_DL 1000000		0%	6100001806			
SP_T42A (TM Receiving Point WDF / Dietmar-Hopp-Allee 16 / ...)		0%	SP_T42A	◆		◆
WH Loading Stop T42_LP_WDF_GAT2 / W042 / DO02 (Loa...)	↗	0%	T42_LP_WDF_GAT2			◆
TM42 FU Type 0 4100002956	↗		4100002956			◆
Package 30 T42 Euro Pallet 800000091	↗					◆
Warehouse Outbound Delivery Order 310000004302	↗	0%	310000004302			
Warehouse Outbound Delivery Order 310000004303	↗	0%	310000004303			
T42_BP_STI (BP St. Ingbert / Neue Bahnhofstraße 21 / 66386...)		0%	T42_BP_STI		◆	◆
TM42 FU Type 0 4100002956	↘		4100002956			
Package 30 T42 Euro Pallet 800000091	↘					
Warehouse Outbound Delivery Order 310000004302	↘	0%	310000004302			
Warehouse Outbound Delivery Order 310000004303	↘	0%	310000004303			



New Business Processes and Functionalities

Advanced Transportation Management

Advanced Shipping and Receiving

Intracompany Stock Transport Orders

- Intracompany Stock transport order (STO) is supported for Advance Shipping and Receiving processes
- Simplification of process – posting of goods issue triggers the creation of an inbound delivery and the automatic reassignment of the freight units (FUs) from the outbound to the inbound delivery
- Inbound delivery of the receiving warehouse is reassigned to the same Freight Unit which is connected to the outbound delivery
- Support for both EWM- or LE-managed warehouses or storage locations.

The screenshot displays the SAP S/4HANA Document Flow for a Stock Transport Order (STO). The interface is divided into two main sections: a document hierarchy on the left and a detailed document data table on the right.

Document Hierarchy:

- TM42 FO (nosub/nochr/nosett) 6100017552
 - Predecessor Business Documents
 - TM42 Cons. Order basic 7000016718
 - T42 Freight Unit 4100036418
 - Inbound Delivery 180011505
 - Warehouse Outbound Delivery Ord...
 - Outbound Delivery 80011499
 - Stock Transport Order 450001552

Document Data Table:

Business Document T...	Business Document	Business Document Li...	Created By	Created On	Changed By	Changed On	Business Partn
TM42 FO (nosub/no...	6100017552	In Process		14.03.2025 11:57:23...		14.03.2025 12:02:50...	Carrier T42_C...
TM42 Cons. Order b...	7000016718	In Process		14.03.2025 11:57:01...		14.03.2025 12:02:50...	
T42 Freight Unit	4100036418	In Process		14.03.2025 11:56:32...		14.03.2025 12:02:50...	
Inbound Delivery	180011505			14.03.2025 00:00:00...			
Warehouse Outbound...	310000033326			14.03.2025 00:00:00...			
Outbound Delivery	80011499			14.03.2025 00:00:00...			
Stock Transport Order	450001552			14.03.2025 00:00:00...			

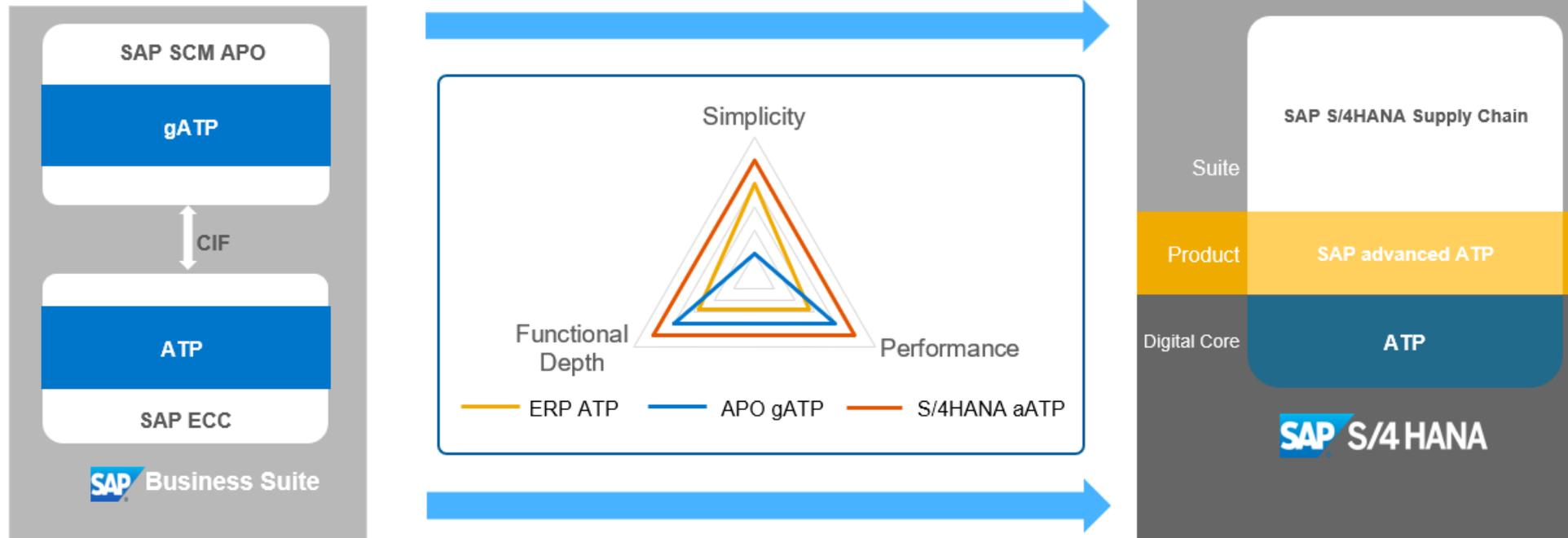
The interface also includes a 'Change Documents' section with search filters for User, From Date, To Date, Data Access Definition, BO Node Name, and Field Name. A table at the bottom shows columns for Change Indicator, Description, New Value, Old Value, Changed By, and Transaction Co, with a message indicating 'No data available'.



New Business Processes and Functionalities

Advanced Available to Promise

- SAP S/4HANA advanced ATP is completely new codeline and developed **natively in SAP S/4HANA**
- There are no technical migrations available from APO gATP to SAP S/4HANA aATP
- In SAP S/4HANA, ATP in digital core is same as the SAP ERP ATP



[Link to documentation](#)



New Business Processes and Functionalities

Advanced Available to Promise

Confirm orders in real-time

- Real time order confirmation considering present and future supplies
- ‘Review Availability Check Results’ display availability situation of all line items of the sales order with delays and partial confirmation, if any
- Modify delivery schedules according to customer’s wish during order creation/change
- Checks for storage locations, batches and segmentation during availability check
- Consideration of delivery groups, quantity distribution and replenishment lead time
- APIs provide product availability info to external system

Requirements (1)

Item	Material	Plant	Confirmed Del. Date	Confirmed Quantity
0020	ebike E199ebike E199	17101710 -- Plant 1 - USPlant 1 - US	17.06.202317.06.2023	0 (200 EA)
	MZ-FG-E199MZ-FG-E199		08.02.202308.02.2023	150 (200 EA)

ebike E199
Item 00
Plant 1710 -- Plant 1 - US

200 EA

Sales Product Allocation Check

Requested

Req. Delivery Date: 08.02.2023
Requested Quantity: 200 EA
Material: MZ-FG-E199MZ-FG-E199 -- ebike E199ebike E199
Plant: 17101710 -- Plant 1 - USPlant 1 - US

Confirmed

Confirmed Del. Date	Confirmed Quantity
08.02.2023	150 EA

[Show Details](#)

Supply Demand-Based Capability Check

Req. Delivery Date: 08.02.2023
Requested Quantity: 200 EA
Material: MZ-FG-E199MZ-FG-E199 -- ebike E199ebike E199
Plant: 17101710 -- Plant 1 - USPlant 1 - US

Confirmed Del. Date: 08.02.2023
Confirmed Quantity: 150 EA

[Link to documentation](#)

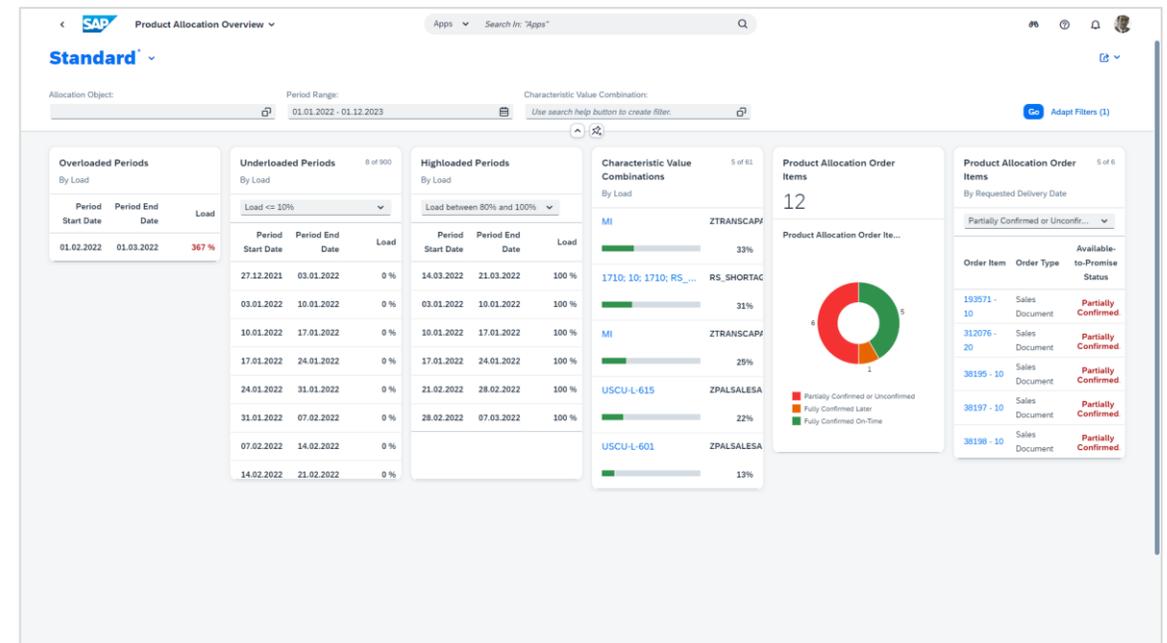


New Business Processes and Functionalities

Advanced Available to Promise

Product allocation overview

- Prevent few customers from buying the entire available quantity, leaving other customers high and dry
- Allocate quantities to customers, regions, sales orgs, etc in fair quantity according to optimal demand and supply plan
- Confirm orders against future production capacity
- Consider transportation and other delivery constraints while confirming orders



[Link to documentation](#)



New Business Processes and Functionalities

Advanced Available to Promise

Alternative Based Selection - Intelligent selection of alternatives

- Easy to configure alternative control and substitution strategy
- Support of both product and location (plant/ storage location) substitution
- Flexible modelling of substitution master data
- Decision to trigger ABC during sales order creation or change
- Dynamic selection of alternative: best fit (*vs first fit*) according to configurable alternative rules
- Consideration of all ATP constraints during alternative selection
- Partial confirmations from multiple sources, with tie-breaker logic for equally placed alternatives

SAP Access

Apps Search In: "Apps"

ABC Combination Migrated from Alternative Control

SAP_ABC_COMBINATION

Sequence Number: 1 Catalog Type: Base (Sales Document) Status: Active Created By: Bill Welch (WELCH) Created On: 22.04.2019, 17:14:06 Changed By: Jones Davidson (JONESD) Last Changed On: 03.11.2023, 13:27:27

Assigned Strategies

Characteristic Value Combinations (17)

Material Number	Sales Organization	Status	Execute ABC	Substitution Strategy
MZ-FG-E471	1710	Active	Yes	ZABCASAIANSENARIO1
MZ-FG-E470	1710	Active	Yes	ZABCASAIANSENARIO2
ATP-PROD06A	1710	Active	Yes	US_BW_LOCSUB_FULL (US LS Full Cnf - Welch)
ATP-PROD06B	1710	Active	Yes	US_BW_LOCSUB_OT (US LS On-Time Cnf - Welch)
ATP-PROD06	1710	Active	Yes	US_BW_LOCSUB_MAX (US LS Max Cnf - Welch)
TG0013	1710	Active	Yes	ZABC (Confirmation strategy for ABC)
MZ-FG-E472	1710	Active	Yes	ZABCASAIANSENARIO3
ATP-PROD03C	1710	Active	Yes	US_BW_LOCSUB_MAX (US LS Max Cnf - Welch)
ATP-PROD06T	1710	Active	Yes	US_BW_LOCSUB_MAX (US LS Max Cnf - Welch)
H-TCIM-2000	1710	Active	Yes	RS_SHORTAGE_001 (Shortage)

[Link to documentation](#)

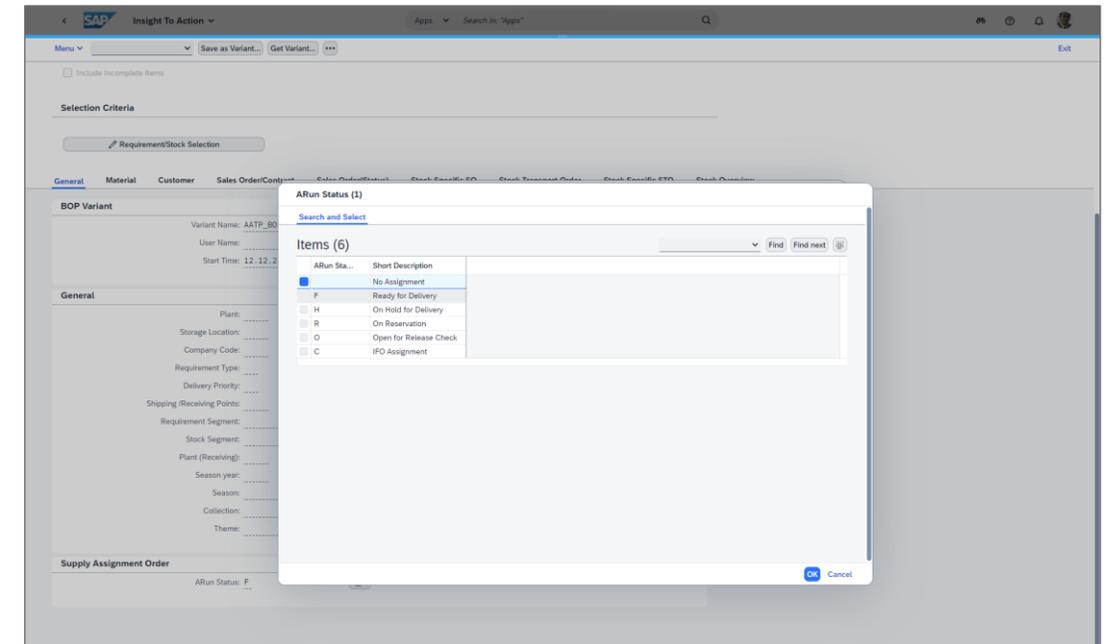


New Business Processes and Functionalities

Advanced Available to Promise

Supply Assignment Run

- Perform Supply Assignment Run for relevant materials in Backorder Processing (BOP) using all core functionalities of BOP Configuration, BOP Run and BOP monitor
- Flexibility to consider future supplies within a specified horizon, rules to sort supplies, and option to retain or delete previous assignments
- Proportional Distribution for Fair-Share distribution of stocks
- **Insight to Action** tool to evaluate the assignment situation and to enable the user to take manual actions like create/change existing assignments, create outbound deliveries
- In **Supply Assignment Overview** Apps do flexible and detailed analysis of supply and demand situation for different dimensions and KPIs, in both graphical and tabular formats



[Link to documentation](#)



New Business Processes and Functionalities

Advanced Available to Promise

Review Availability Check Results

- Review availability check results with an intuitive SAP Fiori User Interface
- Understand in detail how the system calculates a confirmation
- Visualize the path from a request to a confirmation result in a network graph, before applying a confirmation result
- Navigate into further consumption and confirmation details in the case of Product Allocations
- Select from a set of calculated alternatives in case of Alternative Based Confirmation

Requirements (1)

Item	Material	Plant	Confirmed Del. Date	Confirmed Quantity
0000	ebike E199ebike E199	17101710 --	17.06.202317.06.2023	6 F 200 EA
	MZ-FG-E199MZ-FG-E199	Plant 1 - USPlant 1 - US	08.02.202308.02.2023	150 F 200 EA

ebike E199
Item: 07
Plant: 17101710 - Plant 1 - US

200 EA → **08.02.202308.02.2023** → **150 EA**

Sales Product Allocation Check

Requested

Req. Delivery Date: 08.02.2023
Requested Quantity: **200 EA**
Material: MZ-FG-E199MZ-FG-E199 -- ebike E199ebike E199
Plant: 17101710 -- Plant 1 - USPlant 1 - US

Confirmed

Confirmed Del. Date	Confirmed Quantity
08.02.2023	150 EA

[Show Details](#)

Supply Demand-Based Capacity Check

Req. Delivery Date: 08.02.2023
Requested Quantity: 150 EA
Material: MZ-FG-E199MZ-FG-E199 -- ebike E199ebike E199
Plant: 17101710 -- Plant 1 - USPlant 1 - US

Confirmed
Confirmed Del. Date: 08.02.2023
Confirmed Quantity: 150 EA

[Link to documentation](#)

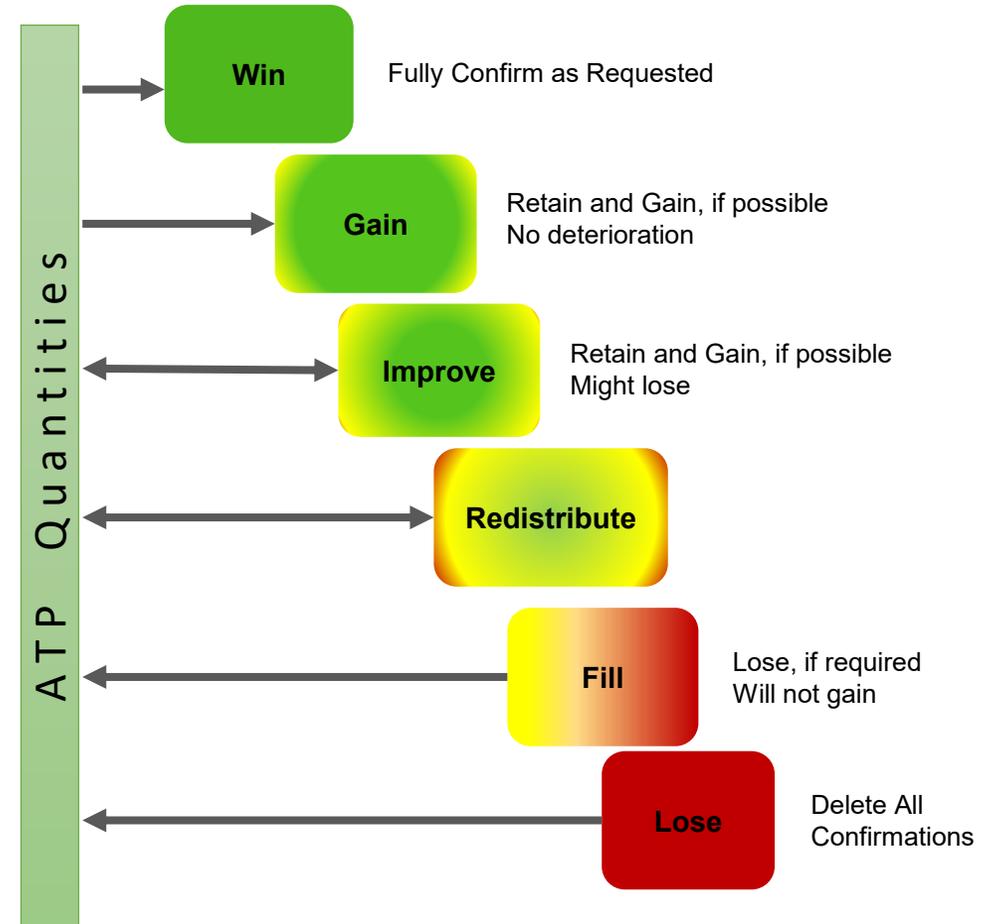


New Business Processes and Functionalities

Advanced Available to Promise

Backorder processing

- Backorder Processing provides the framework to confirm orders en masse, grouped by requirement segments and sorted by business priorities, considering all ATP constraints
- Confirm orders in a batch job according to order priorities and NOT necessarily based on the usual First-Come-First-Served principle
- Segment stocks that needs to be confirmed according to business rules ahead of others
- Retain committed confirmation as much as possible



[Link to documentation](#)



New Business Processes and Functionalities

Advanced Available to Promise

Interactive Backorder processing

- Manual or semi-automated adjustments to order confirmations within ATP limits to optimize fulfillment
- Orchestrate the confirmed dates and quantities of existing demand elements namely Sales Orders and Stock transport orders, while considering the constraints given by the basic ATP-methods, Product Availability Check - PAC, Supply Protection-SUP and Product Allocation-PAL
- Enable Backorder Processing Confirmations Strategies - Redistribute , Lose , Improve
- An interactive UI to load the requirements incl existing BOP segments & excel upload and perform mass processing of confirmations
- Additional enhancements to allow to consciously (manually) ignore constraints and override the ATP-check result in iBOP and enable customers to address last-minute shortages

The screenshot shows the SAP 'Manage Confirmations for Backorders' interface. At the top, there are search filters for 'Editing Status' (set to 'All'), 'Requirement' (empty), 'Material' (Hydration Multiplier Ele...), and 'Plant' (empty). A 'Requested Delivery Date' filter is also present. Below the filters, a notification states: 'Confirmation changes made in the requirements are updated only after the worklist is published.' The main table is titled 'Requested Schedule Lines (6)' and has tabs for 'Standard' and 'Unpublished Changes'. The table columns include: Pr..., Requirement/Item, Schedule Line, Material, Plant, Recipient, Requested Deliver..., Order Quantity, Requested Q..., Conf, Improve (dropdown), Pending Qua..., Change in Qu..., and Change in Date. The 'Improve' dropdown menu is open, showing options: 'Redistribute', 'Lose', and 'Improve'. The table contains 6 rows of data for 'Hydration Multiplier Electrolyte Mix (...)' with various recipients and dates.

Pr...	Requirement/Item	Schedule Line	Material	Plant	Recipient	Requested Deliver...	Order Quantity	Requested Q...	Conf	Improve	Pending Qua...	Change in Qu...	Change in Date
<input checked="" type="checkbox"/>	1159482/20	1	Hydration Multiplier Electrolyte Mix (...)	Plant KANI (KN01)	Hydration Heroes UK Pvt. ...	27.01.2025	500 EA	500 EA		Improve	0 EA		
<input type="checkbox"/>	1159483/20	1	Hydration Multiplier Electrolyte Mix (...)	Plant KANI (KN01)	PureSoul Hydration Retail...	29.01.2025	500 EA	500 EA		Redistribute	0 EA		
<input checked="" type="checkbox"/>	1159480/20	1	Hydration Multiplier Electrolyte Mix (...)	Plant KANI (KN01)	Packaging International U...	03.02.2025	2.000 EA	2.000 EA		Lose	0 EA		
<input type="checkbox"/>	1159481/20	1	Hydration Multiplier Electrolyte Mix (...)	Plant KANI (KN01)	Renk PACKAGING LIMITE...	03.02.2025	2.000 EA	2.000 EA		Improve	0 EA		
<input type="checkbox"/>	1159480/40	1	Hydration Multiplier Electrolyte Mix (...)	Plant KANI (KN01)	Packaging International U...	03.03.2025	2.000 EA	2.000 EA		Improve	1.000 EA		
<input type="checkbox"/>	1159481/40	1	Hydration Multiplier Electrolyte Mix (...)	Plant KANI (KN01)	Renk PACKAGING LIMITE...	03.03.2025	2.000 EA	2.000 EA		Improve	0 EA		

[Link to documentation](#)



New Business Processes and Functionalities

Advanced Available to Promise

Location consolidation with automated stock transport document creation

- Simplified logistical processes by triggering the automatic creation of transport orders to move stock from substitute plants or storage locations to the plant or storage location originally requested in the sales order
- Configure substitution strategies to automatically create stock transport orders to move requested quantity from a substitute plant or storage location to the originally requested plant or storage location.
- Consolidation of goods is required for e.g. for shipment, declaration, and letter-of-credit purposes
- Reduce manual effort for the creation of stock-transport requisitions Increase accuracy in calculation of delivery dates, thereby increasing customer satisfaction & helping to maintain legal compliance in export processes

The screenshot displays the SAP 'Availability Overview' for material 'FH_DEMO_ABC_CMSL_SUBST_002'. It shows a table of ATP situations with columns for Date, MRP element, Stock Segment, MRP element data, Rec./reqd qty, Confirmed, and Cum. ATP qty. Below the table, the 'Advanced Configuration' section is visible, featuring several toggle switches and input fields.

Date	MRP el...	Stock Segment	MRP element data	Rec./reqd qty	Confirmed	Cum. ATP qty
<input type="checkbox"/> 01.09.2025	Stock		Totals record	0	0	0
<input type="checkbox"/> 16.07.2025	CusOrd		0020003103/000012/0001	1.000-	0	0
<input type="checkbox"/> 16.07.2025	CusOrd		Totals record	1.000-	0	0
<input type="checkbox"/> 23.07.2025	POItem		4500007031/00010/0002	1.000	0	0
<input type="checkbox"/> 23.07.2025	POItem		Totals record	0	1.000	0
<input type="checkbox"/> 23.07.2025	CusOrd		0020003103/000012/0002	0	1.000	0
<input type="checkbox"/> 23.07.2025	CusOrd		Totals record	0	1.000	0

Advanced Configuration

- With Sourcing Profile
- With Follow-Up Strategies
- With Business Add-In
- With Creation of Stock Transport Document

STO Type: * Delivery Location:

[Link to documentation](#)

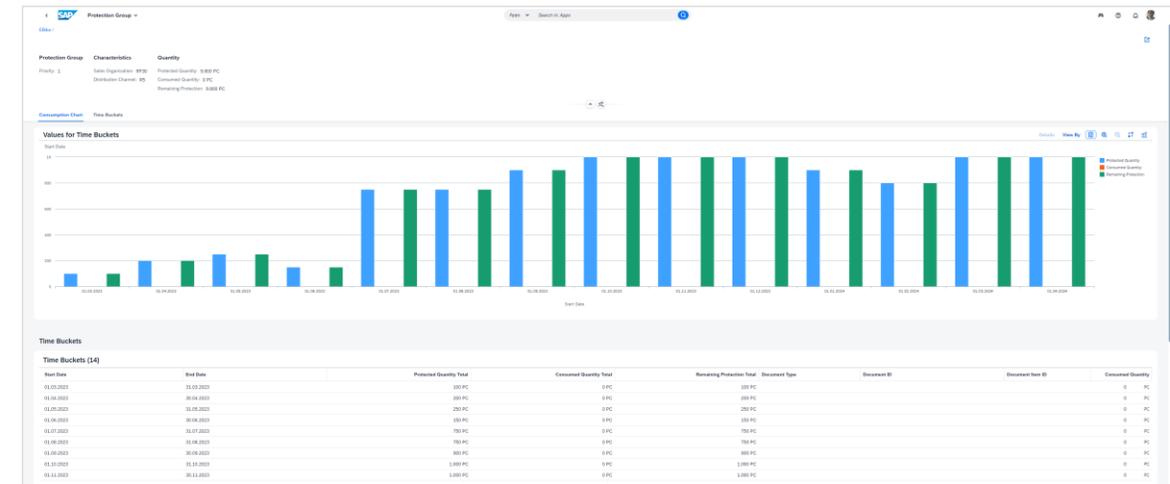


New Business Processes and Functionalities

Advanced Available to Promise

Supply Protection

- Protect quantities of a material in a specific plant against other competing demands
- Independent and flexible set-up to model complex Supply Protection scenarios, based on standard and custom characteristics
- Core (horizontal) protection where complete groups are protected against each other
- Prioritized (vertical) protection where the protection is prioritized, and every group is only protected against the demand of a lower priority
- Integral part of Product Availability Check (PAC). Detailed explanations in Review Availability Check Results



[Link to documentation](#)



New Business Processes and Functionalities

Advanced Available to Promise

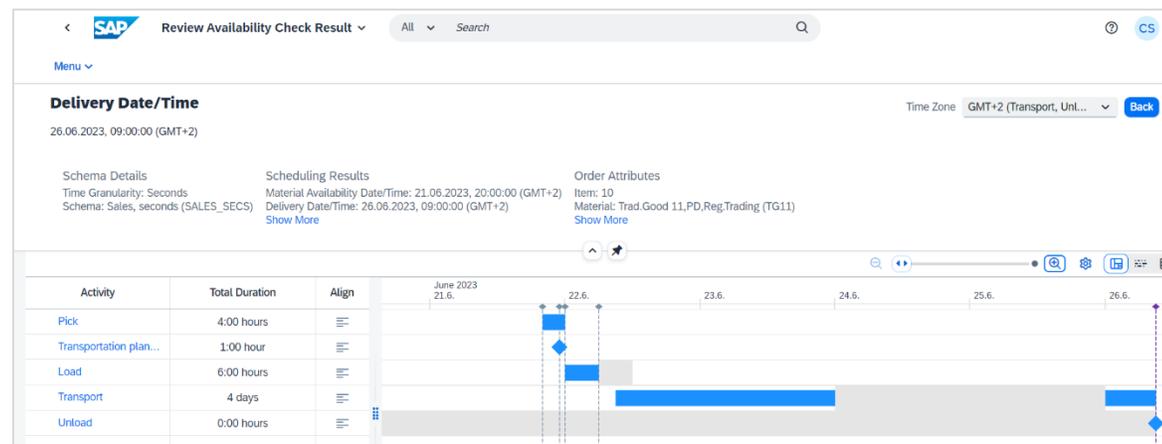
Advanced Business Process Scheduling

- Accomplish more-granular definition & sophisticated scheduling of logistical activities across different business processes
- Integration into available to promise (ATP) scenarios: alternative-based confirmation (ABC), backorder processing (BOP), product allocations (PAL), product availability check (PAC) and supply protection (SUP)
- Pre-delivered BPS schemas, which provide more sophisticated scheduling capabilities, e.g., more granular definition of durations and working times of logistical activities based on further attributes in sales documents e.g., customer group, shipping type, etc.
- Extensibility through standard APIs providing flexibility for realizing customer specific scenarios
- Enable flexible delegation of scheduling to multiple scheduling providers
- Accomplish condition-based BPS scheduling through BPS object and value determination (OVD) apps "Configure Activity Attributes"

SAP Change View "Scheduling Schema": Overview

Menu New Entries Copy As... Delete Undo Change Select All Select Block Deselect All Configuration Help

Dialog Structure	Scheduling Schema		
	Schema	Description	* Time Granularity
▼ Scheduling Schema	<input type="checkbox"/> SALES_DAYS	Sales schema, granularity days	Days
▼ Activities	<input type="checkbox"/> SALES_DAYS_ADV_ATTRIB	Sales schema, granularity days, advanced attri...	Days
Attribute Determination	<input type="checkbox"/> SALES_DAYS_W_PACK	Sales schema, granularity days	Days
Activity Sequence	<input type="checkbox"/> SALES_SECS	Sales schema, granularity seconds	Seconds
Date Types	<input type="checkbox"/> SALES_SECS_ADV_ATTRIB	Sales schema, granularity seconds, advanced ...	Seconds
Business Process Assignment	<input type="checkbox"/> STOCK_TRANSP_DAYS	Stock Transport schema, granularity days, sop...	Days
	<input type="checkbox"/> STOCK_TRANSP_SECS	Stock Transport schema, granularity seconds, ...	Seconds
	<input type="checkbox"/> STOCK_TRANSP_SECS_ORIG_UN...	Stock Transport, granularity seconds, original ...	Seconds



[Link to documentation](#)



New Business Processes and Functionalities

Business Process Scheduling

- Business process scheduling (BPS) is a flexible configurable scheduling solution in SAP S/4HANA
- BPS provides a framework to define, schedule logistical activities of different business processes
- Optimized resource utilization and increased scheduling precision
- Decouple business documents (for example, a sales order in the sales order scheduling process) from a concrete scheduling application
- Integration configurations into various business document types
- Pre-delivered BPS schemas, which consume existing scheduling configurations based on shipping point and transportation route
- Calculate all logistically relevant date types like material availability date, goods issue date, loading, and unloading date based on the most-accurate durations and working times for the involved activities and entities (like picking, loading, transporting, and unloading)
- Increase scheduling precision, enabling higher customer satisfaction

The screenshot shows the SAP Scheduling Schema configuration interface. The title bar reads "Change View 'Scheduling Schema': Overview". Below the title bar is a search bar with "All" and "Search" options. A menu bar contains "Menu", "New Entries", "Copy As...", "Delete", "Undo Change", "Select All", "Select Block", "Deselect All", and "Configuration Help".

Dialog Structure	Scheduling Schema		
	Schema	Description	* Time Granularity
▼ Scheduling_Schema	<input type="checkbox"/> SALES_DAYS	es schema, granularity days	Days
▼ Activities	<input type="checkbox"/> SALES_DAYS_ADV_ATTRIB	Sales schema, granularity days, advanced attri...	Days
Attribute_Determination	<input type="checkbox"/> SALES_DAYS_W_PACK	Sales schema, granularity days	Days
Activity_Sequence	<input type="checkbox"/> SALES_SECS	Sales schema, granularity seconds	Seconds
Date_Types	<input type="checkbox"/> SALES_SECS_ADV_ATTRIB	Sales schema, granularity seconds, advanced ...	Seconds
Business_Process_Assignment	<input type="checkbox"/> STOCK_TRANSP_DAYS	Stock Transport schema, granularity days, sop...	Days
	<input type="checkbox"/> STOCK_TRANSP_SECS	Stock Transport schema, granularity seconds, ...	Seconds
	<input type="checkbox"/> STOCK_TRANSP_SECS_ORIG_UN...	Stock Transport, granularity seconds, original ...	Seconds

[Link to documentation](#)



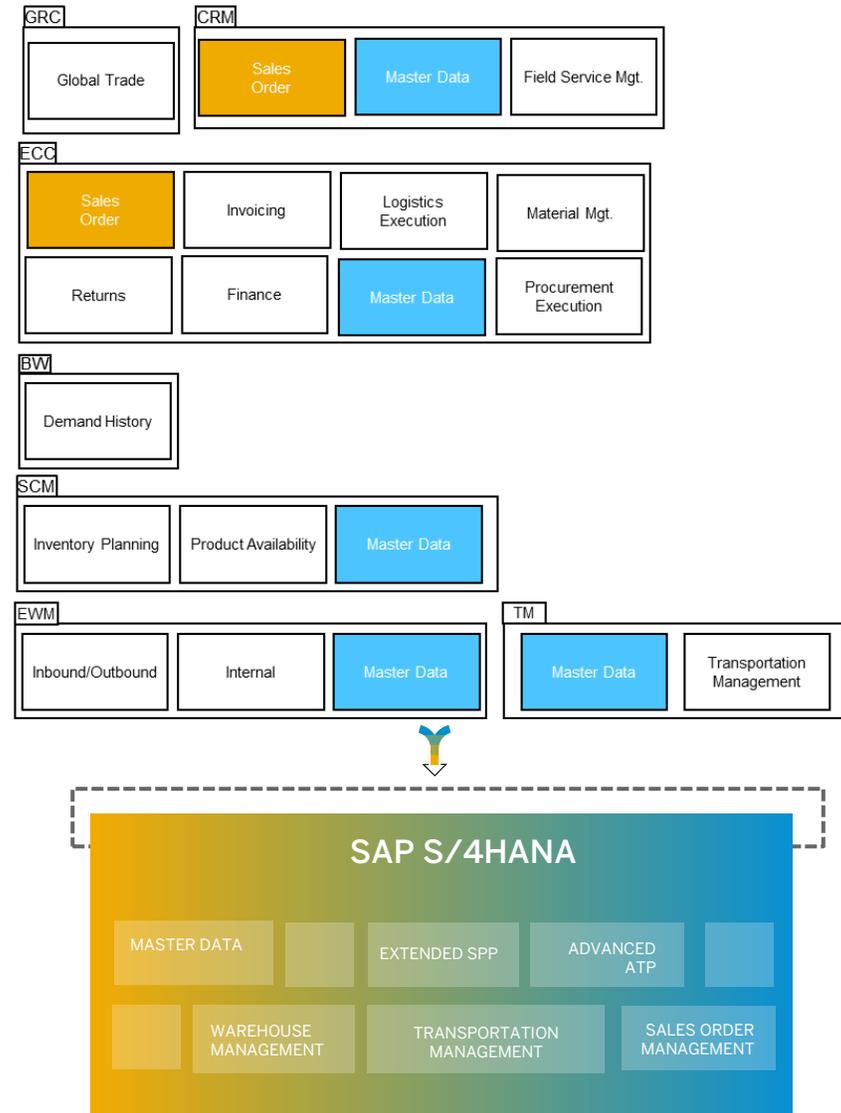
New Business Processes and Functionalities

Extended Service Parts Planning

Extended Service Parts Management

- Planning and Execution in one central system – SAP S/4HANA
- Harmonized master data with out the need for synchronization
- Benefit from the availability of the data from SAP S/4HANA Warehouse Management, SAP S/4HANA Advanced ATP, SAP S/4HANA Transportation Management all in one system
- Leverage the power of transactional data in one system eliminating the need of transactional data flows
- Demand history data directly from SAP S/4HANA and eliminate the need of integration to external Business Warehouse Systems

[Link to documentation](#)



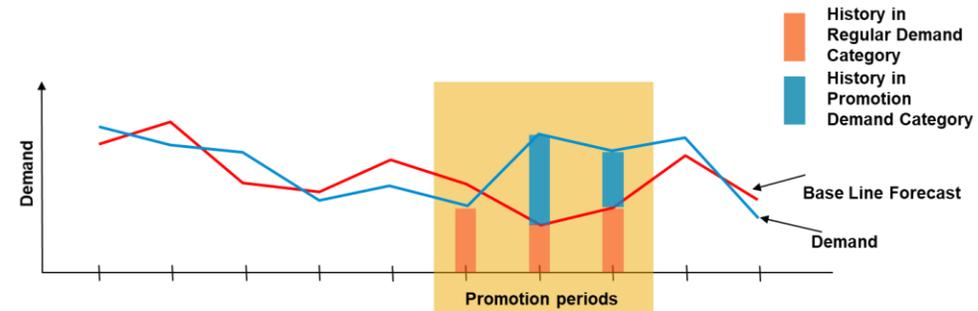


New Business Processes and Functionalities

Extended Service Parts Planning

Event Management (Promotion Planning) in Extended Service Parts Management

- Distinguish between “Base Line” and “Promotion Demand”
- Use planning service to separate extra (promotional demand) from regular demand
- Keep apart non-recurring demand patterns in Forecasting
- New ability to modify demand (e.g. adjust to Forecast)
- New report to modify demand (increase/ decrease/ adjust to Forecast)



The screenshot shows the SAP 'Manual Adjustment of Demand History' interface. The main window displays a table with columns for 'Date' (M 01.2023, M 02.2023) and demand values. A 'Performance Assistant' dialog box is open, providing instructions for demand adjustment operations. The dialog box contains the following text:

Demand Adjustment - Event Operation
 Demand Adjustment - Event
 Use
 This event supports the operations
 1 - increase to forecast
 In case the demand value is less than the forecast value, increase the demand quantity value to the forecast quantity value, the demand entry is not changed.
 2 - decrease to forecast
 In case the demand value is higher than the forecast value, decrease the demand quantity value to the forecast quantity value. The system calculates a demand entry value by choosing a new demand record sample.
 3 - adjust to forecast
 adjust the demand value to the forecast value
 This mode combines option 1 + 2
 Custom implementations of the event demand calculation can be implemented in Badi /SARAPOPDEM_EVENT.

[Link to documentation](#)

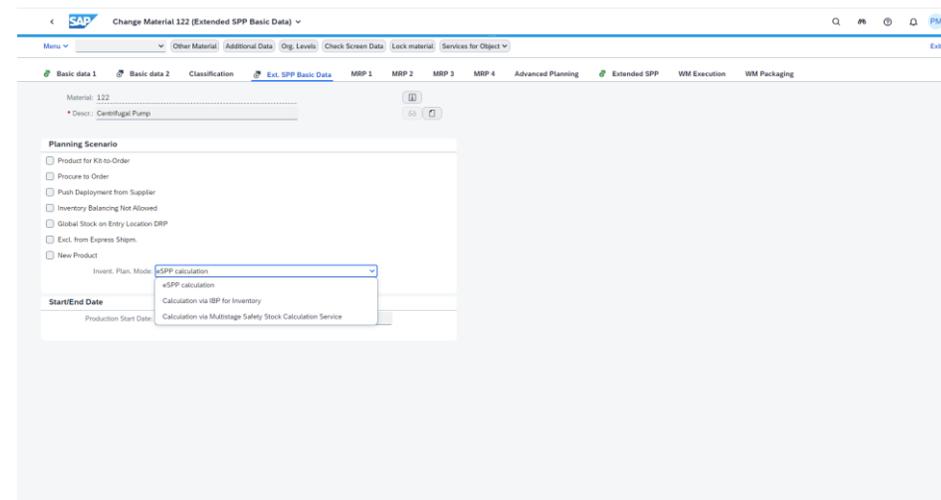
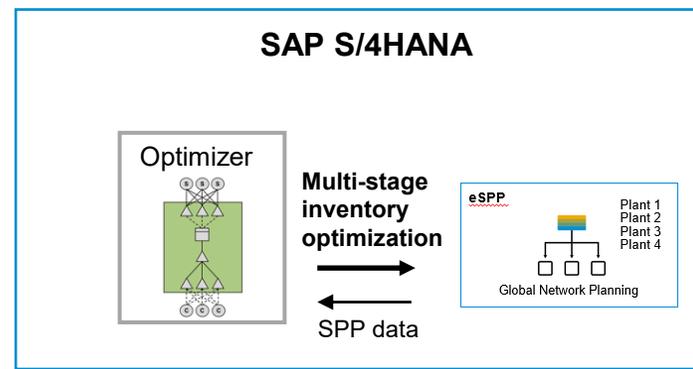


New Business Processes and Functionalities

Extended Service Parts Planning

Inventory Optimization Engine in Extended Service Parts Management

- Enhanced capabilities to plan the optimal stock of location products
- Keep stockholding costs as low as possible and to reduce ordering costs, whilst at the same time ensuring a high level of customer service
- Integrated Inventory Optimization Engine enables Multi-Stage Inventory Optimization due to better integration in SAP S/4HANA (Based on eSPP data model)
- New ability to select the Inventory planning mode and display appropriate results
- Optimized performance and simplified configuration with out the need for additional systems



[Link to documentation](#)

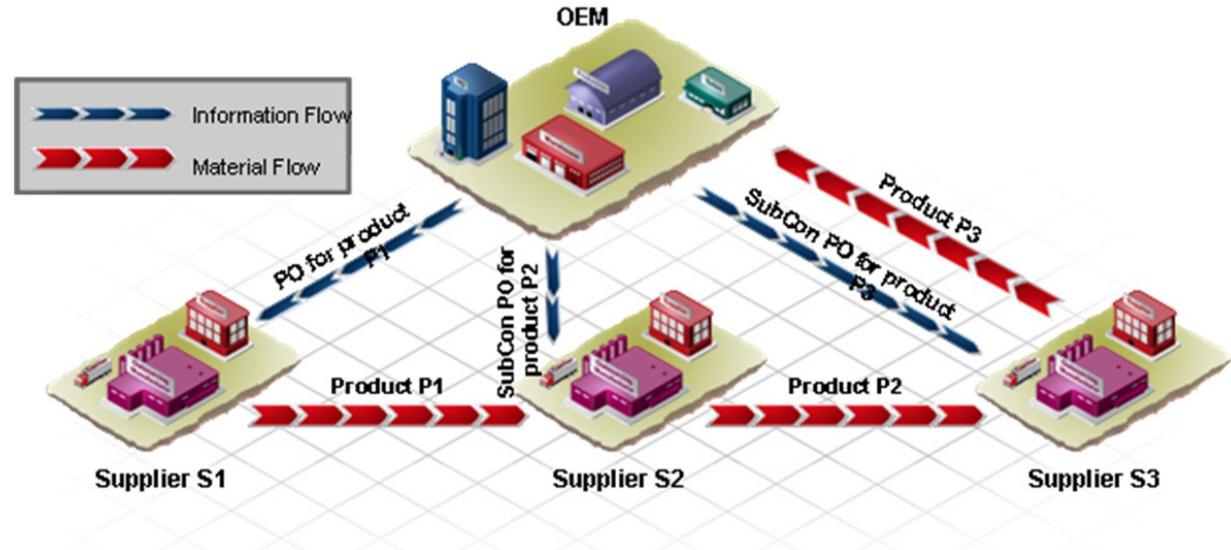


New Business Processes and Functionalities

Extended Service Parts Planning

Kit to Stock with Subcontracting in Extended Service Parts Management

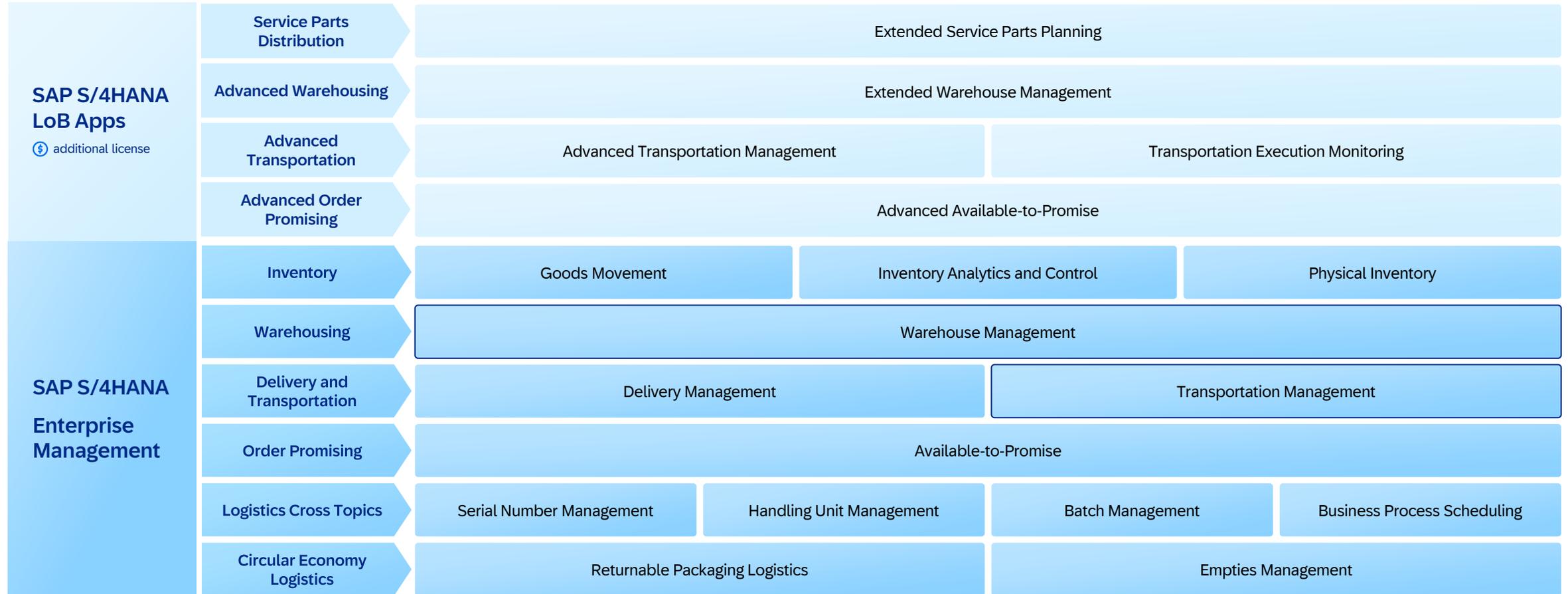
- Kit-to-stock function in distribution requirements planning (DRP) to plan the procurement and manufacture of kits
- Multiple options to enable the creation of the kit internally or externally and with preferences while defining the location product master
- Allows definition of subcontracting scenarios in kitting process to plan procurement & manufacturing of kits
- Automatic creation of subcontracting orders in case of external kitting is supported



[Link to documentation](#)



Updated Business Processes Business Area and Business Capability Overview



Updated business capabilities in SAP S/4HANA



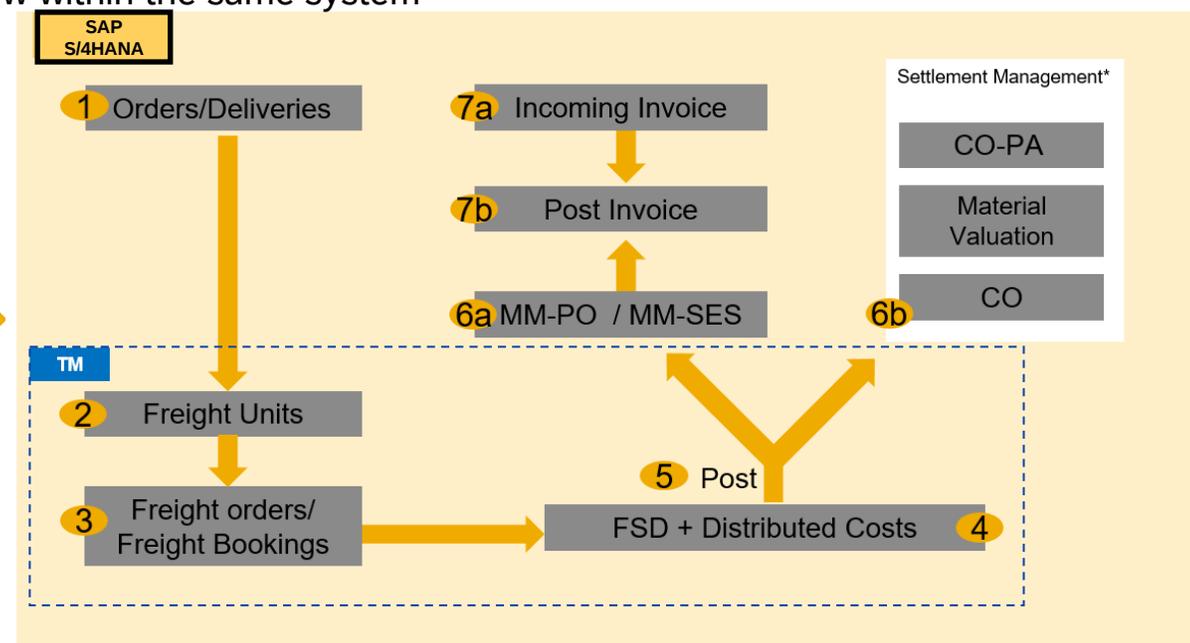
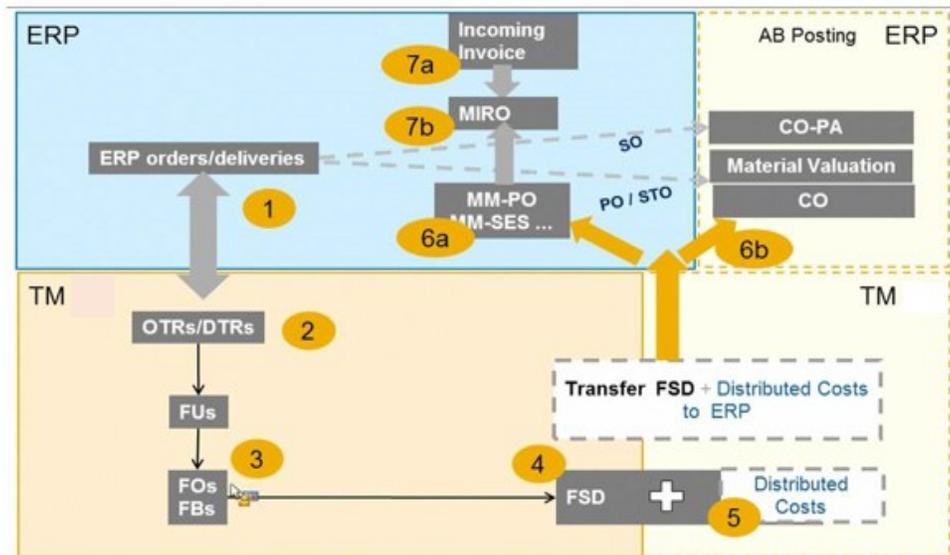
Updated Business Processes and Functionalities

Transportation Management

Freight Settlement in Transportation

From the cross system world to “one SAP S/4HANA world”

- Functionalities of the settlement document are unchanged
- No middleware, no xml message → no “transfer FSD – Freight Settlement Documents” anymore
- Posting, creation of follow up documents and invoice verification is now within the same system



[Link to documentation](#)

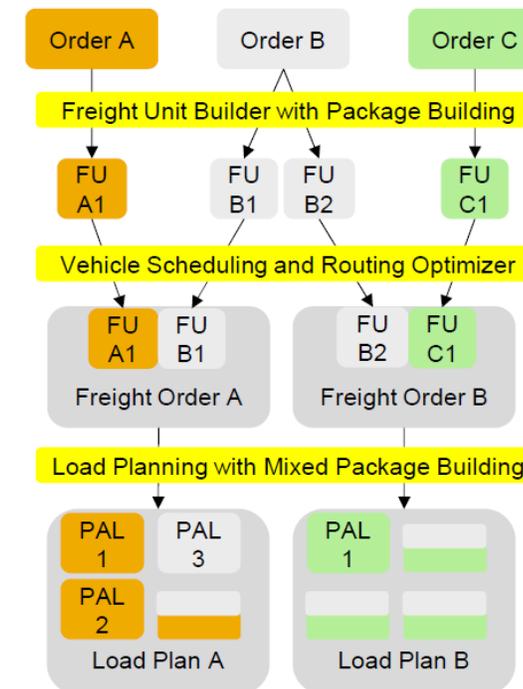
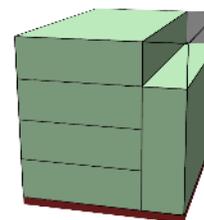
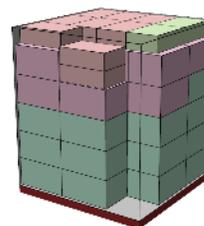


Updated Business Processes and Functionalities

Transportation Management

Improved mixed pallet building

- Consolidate multiple products for the same customer into one mixed carton
- Consolidate products for multiple customers into one mixed pallet
- Determine physical positions (x/y/z) and orientations of cartonized and non-cartonized products on mixed pallet, considering various constraints
- Stackability matrix (allow to stack product A on product B), stacking factor (A can stacked n times within a stack), stack by decreasing weight / density
- Incompatibilities (between products in mixed carton and in mixed pallet)
- Height, volume and weight constraints
- Orientation constraints of the products



[Link to documentation](#)



Updated Business Processes and Functionalities

Transportation Management

Improved Package Building & Load Planning

- Minimize the number of pallets while considering constraints such as package attribute, product stacking rules, customer specific requirements, height limits
- Leverage new Consistency Checks for Package Building Constraints
- Package Building Optimizer – Merging Similar Products
- Optimally utilize loading space on transportation resources
- Maximize utilization of containers by considering various constraints such as dimensions, vehicle attributes, stacking rules, loading sequence, flexible split deck
- Accomplish Manual Load Planning and gain flexibility by creating Multiple Load Plan PDF Files in Batch Run

The screenshot displays the SAP Transportation Cockpit interface for 'US FLEET Scenario, Fleet Planning, Maximized View'. It features a 3D visualization of a truck load plan on the right, showing a truck with a trailer loaded with various colored packages (green, orange, yellow) stacked on pallets. On the left, a table provides detailed data for each load plan entry.

Item Hierarchy	Load Status	Load Pt. S.	L. S.	Gross Wt. LB	Gross Wt. UAM	Gross Wt. UAM	P. X	P. Y	P. Z	U. P.	D. P.	Orientation	Row	Stack
Active Vehicle ZFLTRUCK-01 1000000				0	36,918	LB	576,000	FT3						
Package 230 TM Pallet	✓			1	2,409	LB	48,000	FT3	0	305	1,219	MM Le.	Bottom Straight (0
Package 230 TM Pallet	✓			2	2,409	LB	48,000	FT3	0	305	1,219	MM Le.	Bottom Straight (0
Package 240 TM Pallet	✓			3	2,409	LB	48,000	FT3	0	1,219	0	MM Le.	Bottom Straight (0
Package 190 TM Pallet	✓			4	2,409	LB	48,000	FT3	1,219	305	0	MM Le.	Bottom Straight (1
Package 200 TM Pallet	✓			5	2,409	LB	48,000	FT3	1,219	305	1,219	MM Le.	Bottom Straight (1
Package 210 TM Pallet	✓			6	2,409	LB	48,000	FT3	1,219	1,219	0	MM Le.	Bottom Straight (1
Package 160 TM Pallet	✓			7	2,409	LB	48,000	FT3	2,438	0	0	MM Le.	Bottom Turned (B	2
Package 170 TM Pallet	✓			8	2,409	LB	48,000	FT3	2,438	0	1,219	MM Le.	Bottom Turned (B	2
Package 180 TM Pallet	✓			9	2,409	LB	48,000	FT3	2,438	1,219	0	MM Le.	Bottom Turned (B	2
Package 130 TM Pallet	✓			10	2,409	LB	48,000	FT3	3,352	0	0	MM Le.	Bottom Turned (B	3
Package 140 TM Pallet	✓			11	2,409	LB	48,000	FT3	3,352	0	1,219	MM Le.	Bottom Turned (B	3
Package 150 TM Pallet	✓			12	2,409	LB	48,000	FT3	3,352	1,219	0	MM Le.	Bottom Turned (B	3

[Link to documentation](#)



Updated Business Processes and Functionalities

Transportation Management

Logistics Integration with Product Compliance

- Save time and reduce risks through the ability to prevent planning of noncompliant transportation demands
- Logistics Integration with Product Compliance - Dangerous goods checks in rail, ocean and air cargo freight bookings
- Checking of all compliance-relevant products to determine whether rail, ocean or air cargo transport processing is allowed as it pertains to dangerous goods regulations
- Prevent execution of transports containing noncompliant products
- Blocking of transportation demand and freight orders/bookings if no compliant transport is possible

The screenshot displays the SAP Ocean Freight Booking interface for document 6700001855. It is divided into two main sections: 'Items' and 'Stages'.

Items Section: Shows a 'Freight Booking Item View' with a table of items. The table includes columns for Item Hierarchy, Item Type, Item Description, Quantity, UoM, Gross Weight, Gross Volume, Net Weight, Net Volume, Product, Dangerous Goods Status, Freight Order for Pick-Up, and Freight Order for Delivery.

Item Hierarchy	Item Type	Item ... (Desc...)	Qua...	Qua... UoM	Gross Wei...	Gross Volu...	Net Wei...	Net Volu...	Product	Dangerous Goods Status (Description)	Freight Order for Pick-Up	Freight Order for Delivery
Sales Order 21225			***		443 KG	0.442 M3	419 KG					
Freight Unit 4200014565			***		443 KG	0.442 M3	419 KG					
Product 10 Firmis Löser, Zitrone (20L Fass)	PRD	Product	20	DR	420 KG	0.442 M3	400 KG		P69-VARREM_PP1	OK - Transport Allowed		
Product 20 WHO hyg. Handreiniger (2x500ml)	PRD	Product	10	CAR	16 KG	0.016 M3	14 KG		P69-HANDR_PP1	OK - Transport Allowed		
Product 30 Linalool (1L Flasche)	PRD	Product	5	BT	7 KG	0.006 M3	5 KG		P69-LINALOOL-PP	OK - No Dangerous Goods		

Stages Section: Shows a table of stages with columns for Stage, Stage Category, Transportation Mode, Source Location, UN/LOCODE, Destination Location, UN/LOCODE, Destination Location, Executing Carrier, Executing Carrier Description, SCAC of Execut... Carrier, Invoicing Carrier, and Invoicing Carrier (Description).

Stage	Stage Category (Description)	Transp... Mode	Transportation Mode (Description)	Source Location	UN/LOC... (Source)	Source Location Address	Destination Location	UN/LOC... (Dest...)	Destination Location Address	Executing Carrier	Executing Carrier Description	SCAC of Execut... Carrier	Invoicing Carrier	Invoicing Carrier (Description)
1	Pre-Carriage	01	Road	SP_1710		Shipping Point 1710 - ...	PORT_USLAX	USLAX	USLAX / 425 South Pa...					
2	Main Carriage	03	Sea	PORT_USLAX	USLAX	USLAX / 425 South Pa...	PORT_DEHAM	DEHAM	DEHAM / Kurt-Eckelm...					
3	On-Carriage	01	Road	PORT_DEHAM	DEHAM	DEHAM / Kurt-Eckelm...	0017100050		Foreign Customer 50 (...)					

[Link to documentation](#)

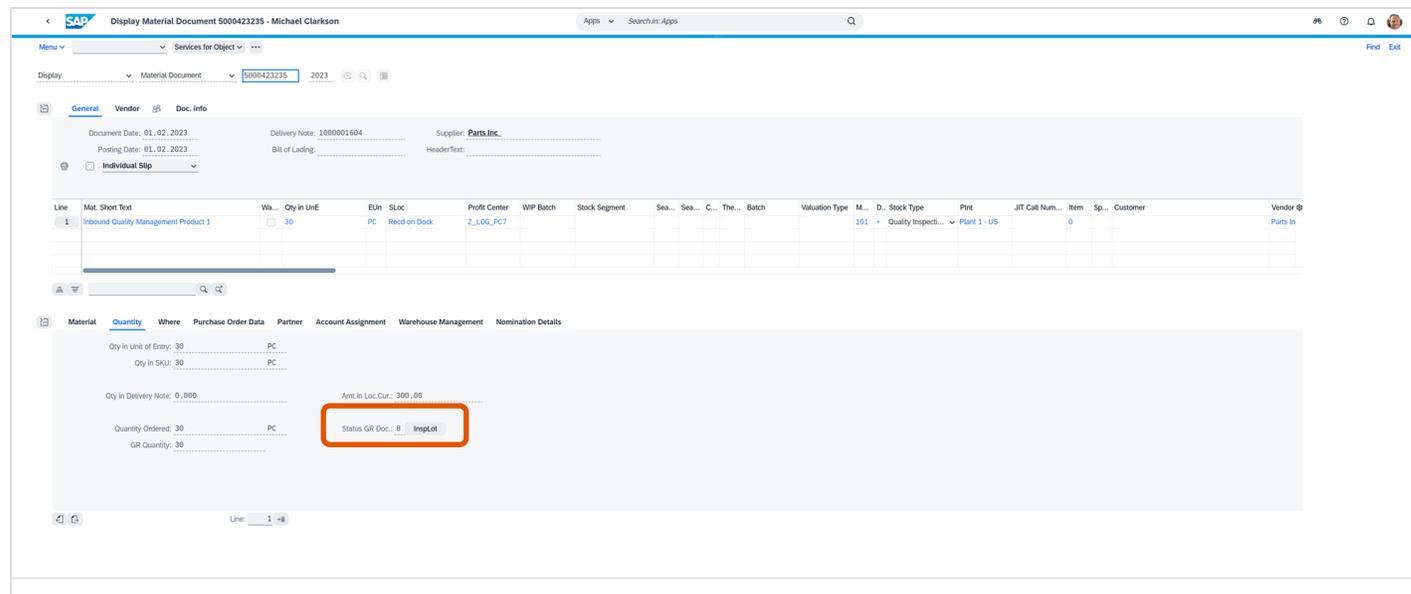


Updated Business Processes and Functionalities

Warehouse Management

Quality inspection with synchronous goods receipt

- Improve integration for materials in quality inspection and accomplish massive simplification compared to inbound delivery related processes
- Quality inspection with synchronous goods receipt postings on an S/4HANA managed storage location
- Creation of inspection lot when a goods receipt is posted for a product that's inspection-relevant
- Enable synchronous goods receipt postings for materials requiring quality inspection for goods receipt from production as well as from external sources
- Goods receipt processing in SAP EWM that considers settings for certificate processing in QM at goods receipt (for example, requirement for confirmation of a certificate at goods receipt)



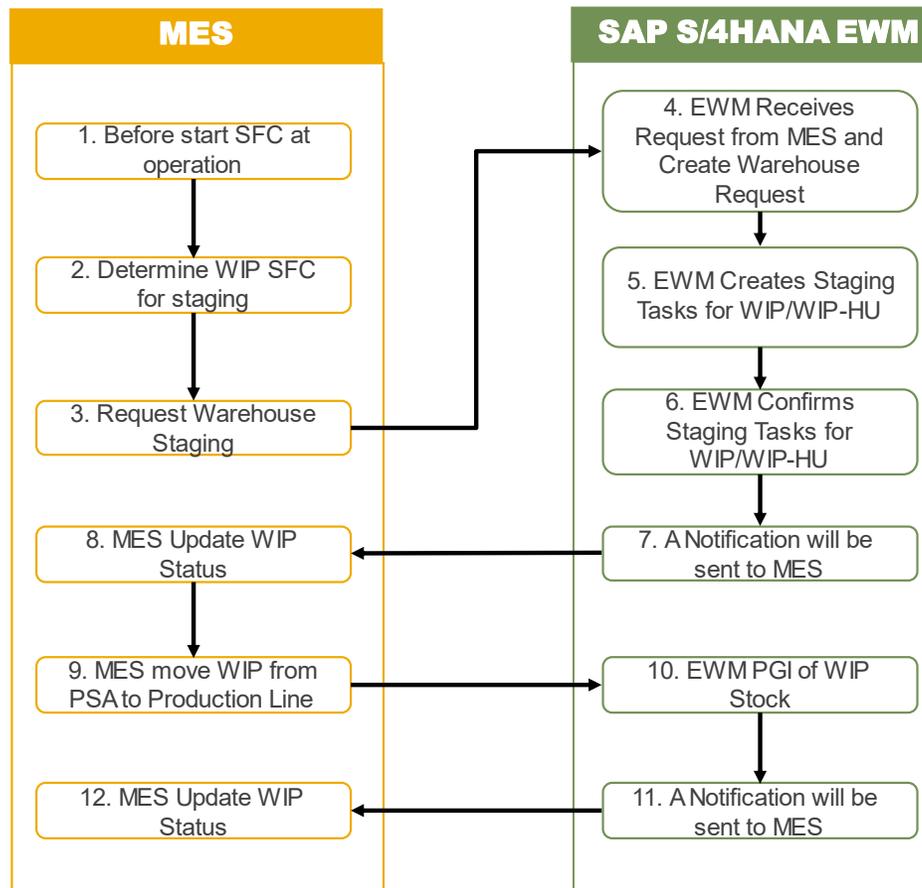
[Link to documentation](#)



Out-of-the-Box Integration

SAP Extended Warehouse Management: Work in Progress Management with Manufacturing Execution System

- Increased efficiency and transparency in Work in Progress (WIP) Management with the integration between SAP S/4HANA EWM and Manufacturing Execution Systems like SAP Digital Manufacturing Cloud
- Production advancement of the WIP with or without a container to the warehouse for temporary storage
- Ability for production to request staging of WIP from the warehouse to the production work center according to their own requirements, such as date and time or allowed capacity in the production supply area
- Recording of key-production information, such as shop floor control (SFC) or WIP number, on each piece of WIP stock
- Provision of accurate stock details of WIP in a warehouse
- Provision of the receiving or staging process status of WIP
- Increased accuracy of WIP Monitoring by manage WIP as stock on SFC level



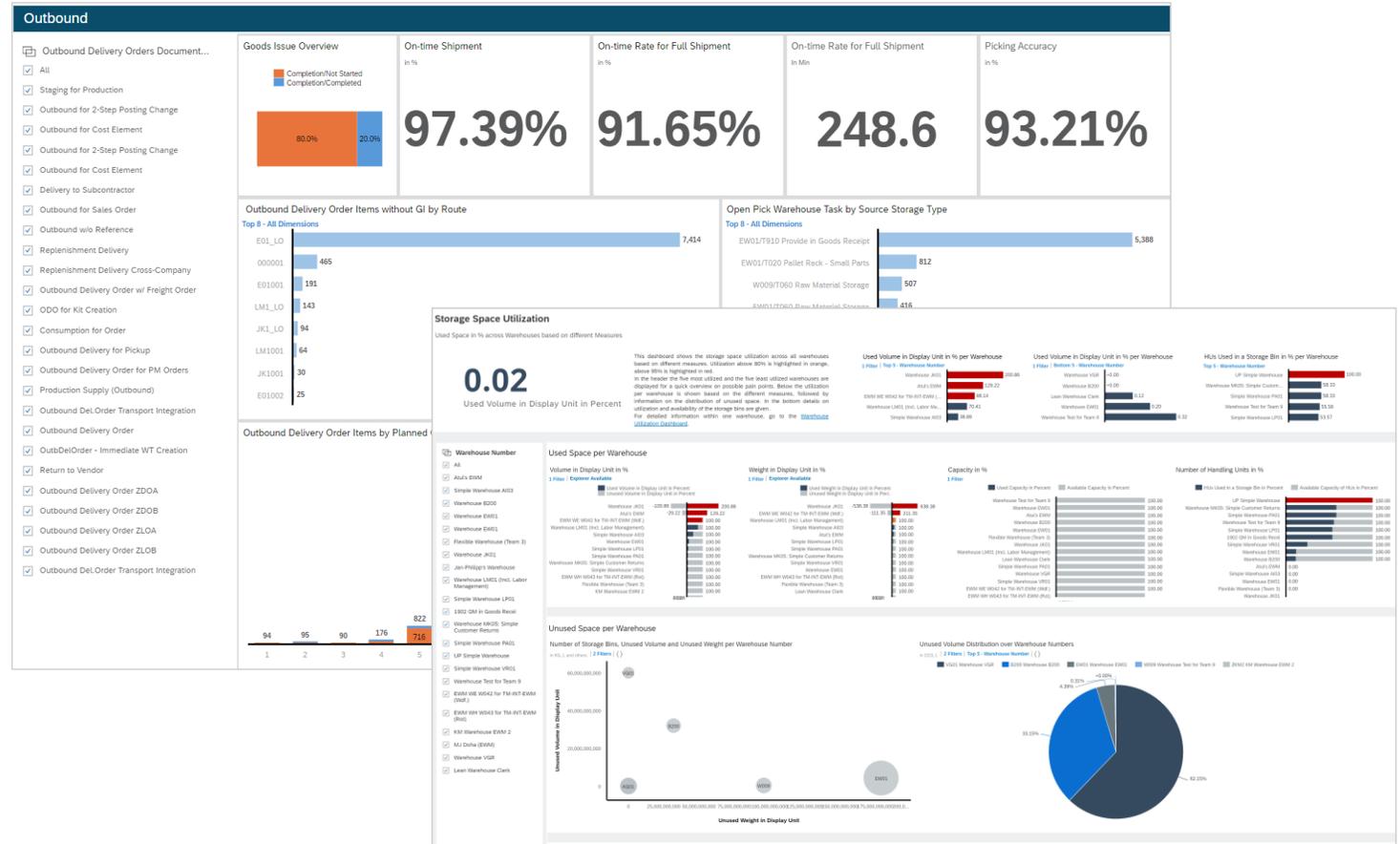
[Link to documentation](#)



Out-of-the-Box Integration

SAP S/4HANA Warehouse Management: SAP Analytics Cloud (SAC) business content

- Drive efficiency through insights for the warehouse clerks in monitoring the inbound/outbound situations in warehouse for their daily work
- Availability of SAP Analytics Cloud (SAC) business content for EWM
- Dashboard to monitor the inbound/outbound situation in the warehouse
- Inbound processing related content includes Goods Receipt Overview, On Time Receipt, On Time Receipt in Full, Receiving Duration per Inbound Delivery Item, Putaway Accuracy
- Outbound processing related content includes Goods Issue Overview, On Time Shipment, On time shipment in full, Internal order cycle time per ODO item, pick accuracy
- Flexibility to download the SAC content and adjust the KPIs based on specific requirements



[Link to video](#)

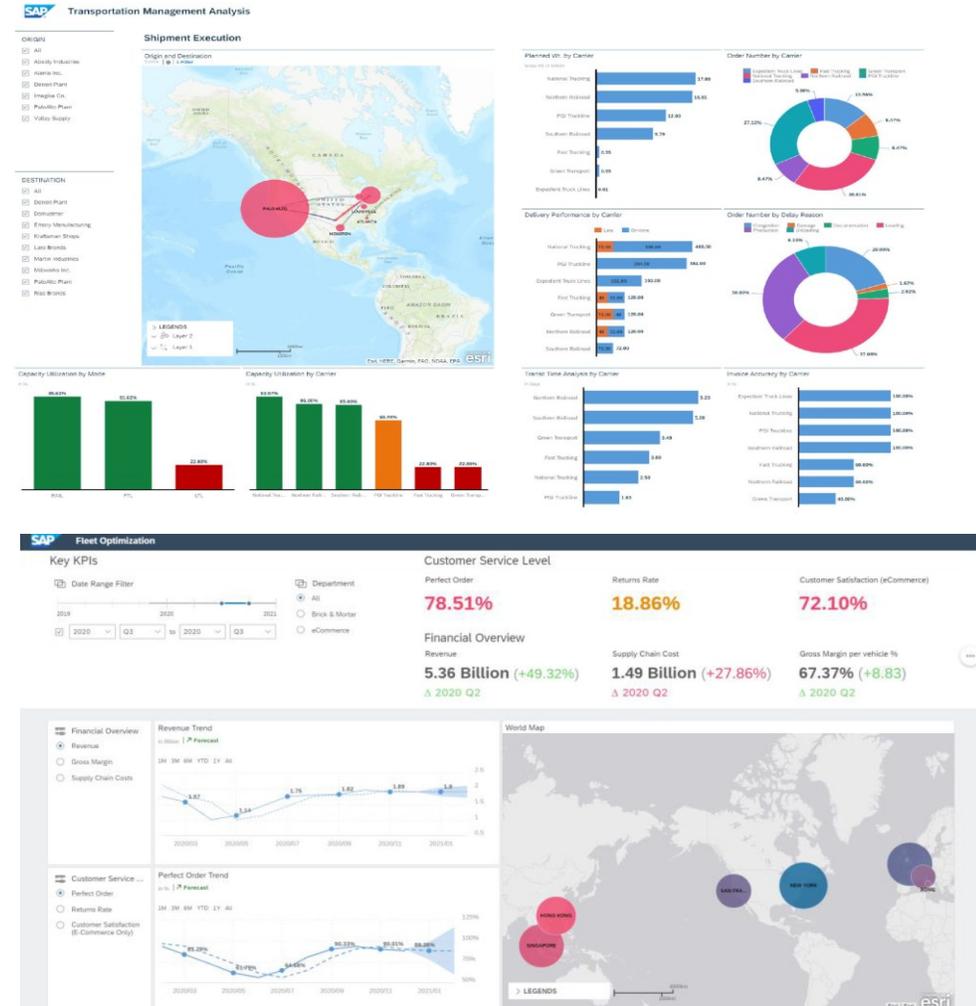


Out-of-the-Box Integration

SAP S/4HANA Transportation Management: Leverage SAP Analytics Cloud for logistics insights

- Long to medium term cross company transportation performance reporting
- Strategic, operational and cost KPIs visualization on map with drill downs to support root cause analysis
- Display KPIs combining diverse systems and functions like EWM, LBN
- Additional data sources, KPIs and industry benchmarks can be added easily
- Rich, intuitive multi dimensional visualization and analysis
- Leverage what-if analysis and simulation, machine learning, patterns, trends etc
- Live data connection without data replication from source S/4HANA and Cloud systems

[Link to documentation](#)



Out-of-the-Box Integration

SAP S/4HANA Transportation Management: Integration into SAP Business Network for Logistics

Freight Requests for Quotation

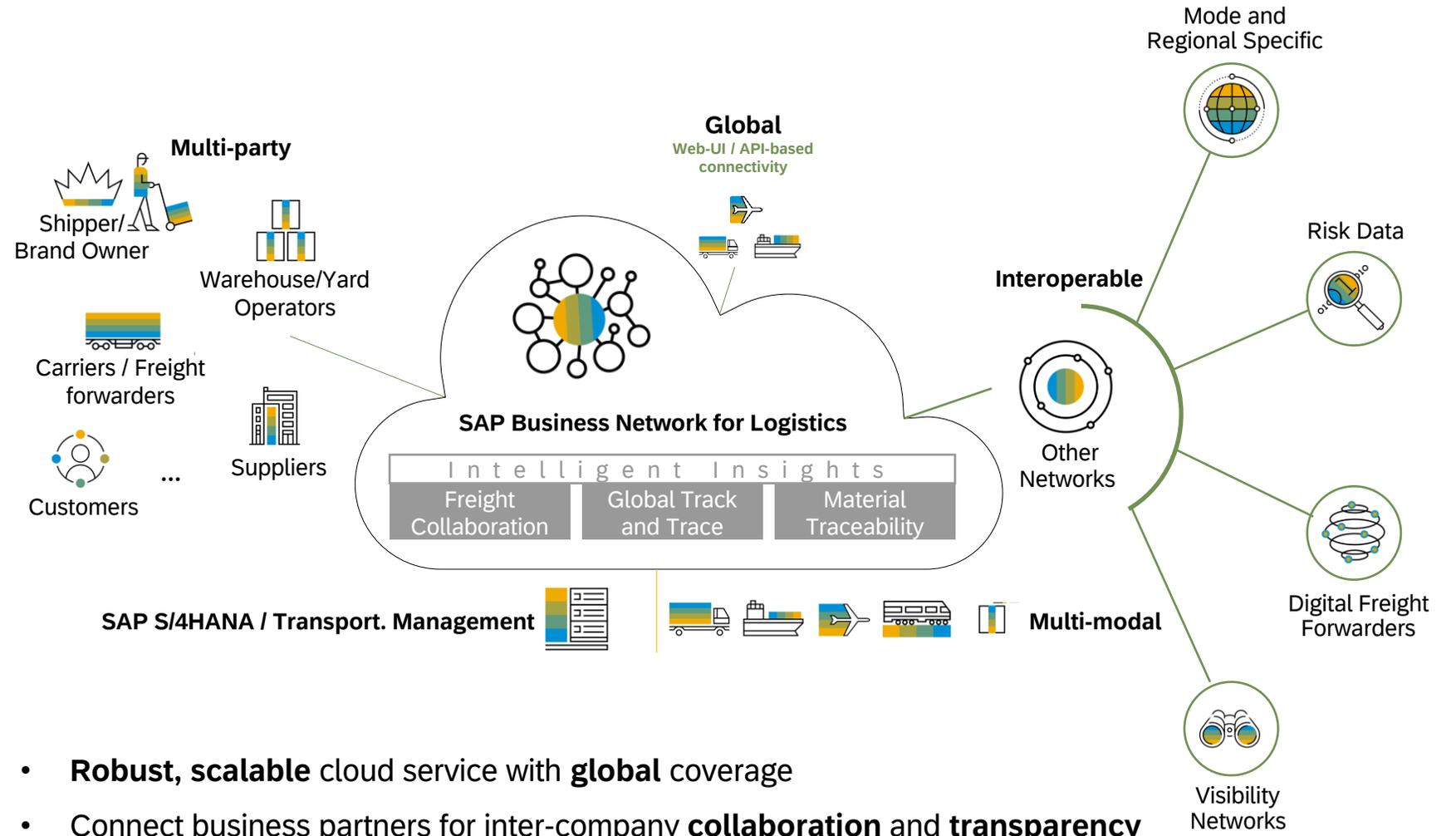
Ordering Party / Freight	Requesting Time	Departure Date and Time	Actual Date and Time	Departure Location	Actual Location	Status	Price	Account	Freight	Order
Best Run Pulp Mills	2 Hours 54	Oct 19, 2023, 12:57 PM PST	Oct 19, 2023, 8:28 AM PST	Altoona	Fort Vein	Yes	178.29 USD	630003208	178.29 USD	Accept with Change Price and Dates
Best Run Pulp Mills	2 Hours 54	Oct 19, 2023, 12:57 PM PST	Oct 19, 2023, 8:28 AM PST	Altoona	Fort Vein	Yes	178.29 USD	630003208	178.29 USD	Accept with Change Price and Dates
Best Run Pulp Mills	2 Hours 54	Oct 19, 2023, 12:57 PM PST	Oct 19, 2023, 8:28 AM PST	Altoona	Fort Vein	Yes	178.29 USD	630003208	178.29 USD	Accept with Change Price and Dates

Freight Documents

Invoice Freight Documents	Customer Account	Departure Date and Time	Actual Date and Time	Departure Location	Actual Location	Material
Best Run Pulp Mills	630003208	Oct 19, 2023, 12:57 PM PST	Oct 19, 2023, 12:23 PM PST	Altoona	Fort Vein	2,271.91 USD

Track Shipments

Shipment No.	Transportation Mode	Carrier	Planned Departure	Planned Arrival	Actual Delivery At	Execution Status	Delay Status	Estimated Arrival At
6300011307	Road transport	PGI Truck Lines	Altoona Shipping Point Oct 8, 2023, 9:00 AM	A to Z Corp. Oct 9, 2023, 9:20 AM		In Execution		
6300020207	Road transport	PGI Truck Lines	Long Beach Port Oct 17, 2023, 10:43:47 PM	Deloitte Shipping Point Oct 20, 2023, 8:50:05 AM		Not Started		
6300030098	Road transport	PGI Truck Lines	Long Beach Port Oct 17, 2023, 10:43:47 PM	Deloitte Shipping Point Oct 20, 2023, 8:50:05 AM		In Execution	Delayed	
6300030044	Road transport	PGI Truck Lines	Long Beach Port Oct 17, 2023, 10:43:47 PM	Deloitte Shipping Point Oct 20, 2023, 8:50:05 AM		Not Started		



- **Robust, scalable** cloud service with **global** coverage
- Connecting business partners for inter-company **collaboration** and **transparency**
- **Standardized** services for logistics collaboration and insights

[Link to documentation](#)



Out-of-the-Box Integration

SAP S/4HANA Advanced Available To Promise Supply Creation-Based Confirmation – integration with ePPDS

- Enhanced capability to confirm sales order requirements by initiating supply creation in SAP S/4HANA Production Planning/Detailed Scheduling (PP/DS)
- Integration between SAP S/4HANA Advanced Available-to-Promise (aATP) and Production Planning and Detailed Scheduling (PP/DS) in SAP S/4HANA
- Enables confirmations of sales order requirements when the available quantity of the requested product is insufficient
- Check done for material availability and triggering supply creation for a requirement if necessary
- Supports Make-to-Order and Make-to-Stock scenarios



Check for the availability of a product, based on supply and demand matching algorithm in production planning



Process of creating new supply, invoking production-planning tools to increase the confirmation of a request after an availability check



Enhanced capability to promise an order by checking for availability and, in addition, invoke supply creation if required to fulfill the request

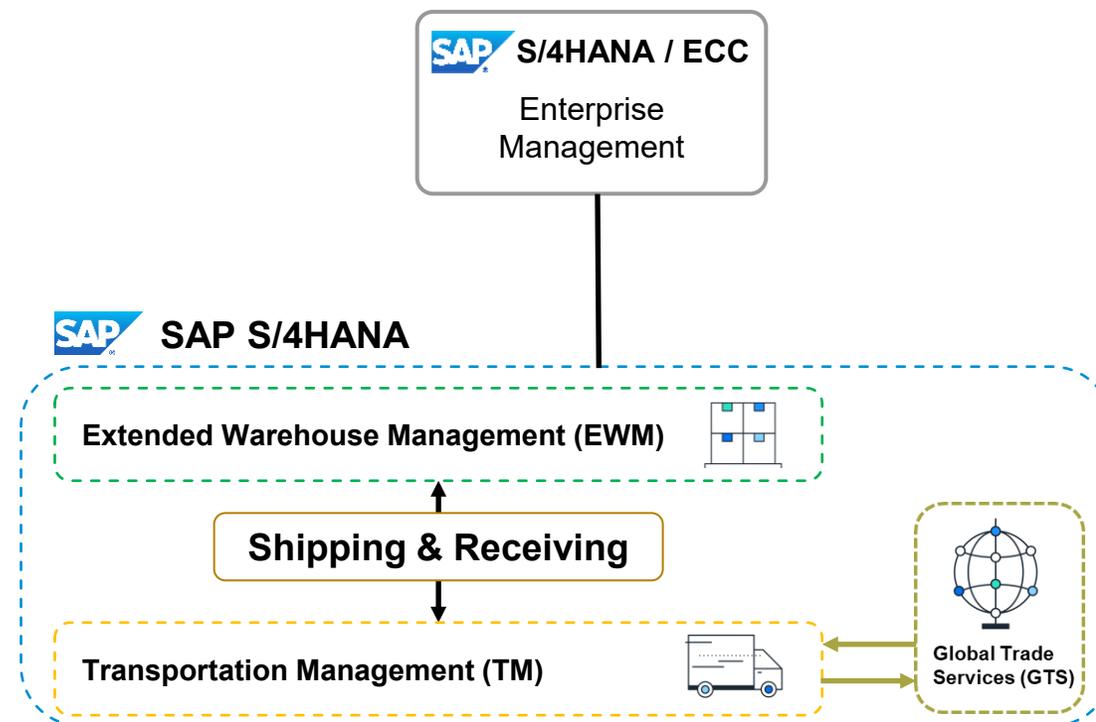
[Link to documentation](#)



Out-of-the-Box Integration

Integration of decentralized Extended Warehouse Management (EWM) and Transportation Management (TM) with SAP Global Trade Services (GTS)

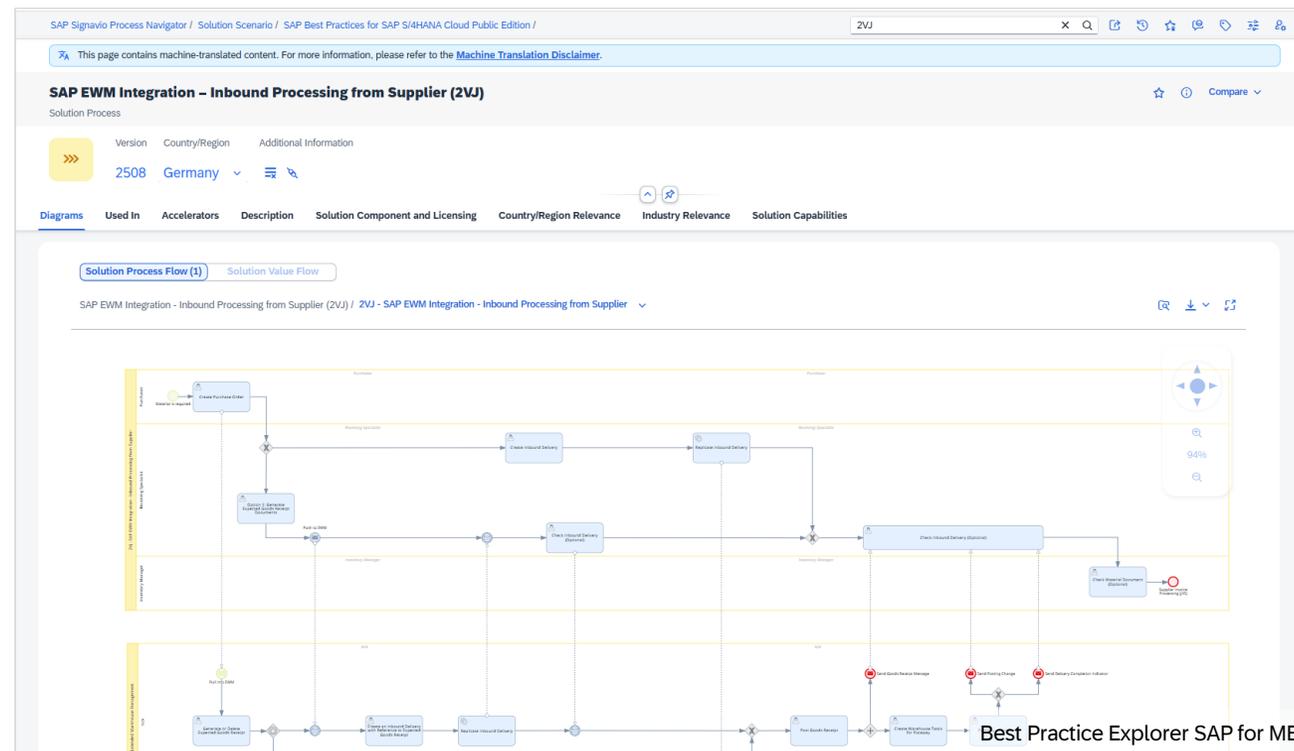
- Enables one to conduct compliance checks for freight units and freight orders and complete export declaration for consignments and freight orders
- Same integration pattern with GTS for both EWM and IM managed storage locations





Out-of-the-Box Integration Integration to SAP S/4HANA Cloud Public Edition (SAP Cloud ERP)

- Integration between SAP S/4HANA Cloud Public Edition with decentralized Extended Warehouse Management (EWM) based on SAP S/4HANA.
- Supports scenarios where decentralized warehouses are running advanced processes leveraging the EWM based on SAP S/4HANA Cloud Private edition e.g. cross docking, material flow, RF scenarios etc
- New integration/Scope Item of SAP S/4HANA (Public) Cloud 2508 and EWM for SAP S/4HANA Private Cloud
- Integration is based on introducing a new communication scenario (SAP_COM_0A58 - Process/Delivery) for transactional data is available as of SAP S/4HANA Cloud 2508.





Compatibility Packs in Supply Chain Transportation Management

Logistics Execution Transportation (LE-TRA) is not the target architecture within SAP S/4HANA. The functionality is available in SAP S/4HANA but not considered as future technology. The alternative functionality is selected features of Transportation Management which is already available within SAP S/4HANA.

- The **Route** object of application component LE-TRA and the corresponding objects, which are needed for the definition and determination of this route, have been moved from the Compatibility Scope into the Perpetual Scope of SAP S/4HANA. In other words: The customers can use those objects after 2030 in SAP S/4HANA. That allows the customer to use these objects for existing functionality in other applications e.g. scheduling in sales order / stock transport order / delivery, etc.

Important: All other objects from LE-TRA which are used for the Transportation functionality will remain in the Compatibility Scope. And cannot be used after 2030. This would primarily be the shipment document + shipment cost document and all corresponding objects / customizing / master data / interfaces.

- LE-TRA and the industry solution IS-OIL are functionally different solutions, however they share some objects on a technical level. These shared objects can continued to be used, even after the expiry of the compatibility pack license, but only in OIL&GAS context. These are the areas of Transportation Planning Point and Shipment type, which are clustered around the tables VTK / TTDS.

- CP ID 474:
 - This usage right has been extended until the end of 2030. Alternative is the basic variant of Transportation Management in SAP S/4HANA. Communication regarding further enhancements of alternative to come via SAP Road Maps.
 - **Relevant notes:**
 - S4TWL – Transportation (LE-TRA): <https://me.sap.com/notes/2270199>
 - Detailed notes are accessible via the WayForward excel in <https://me.sap.com/notes/2269324>



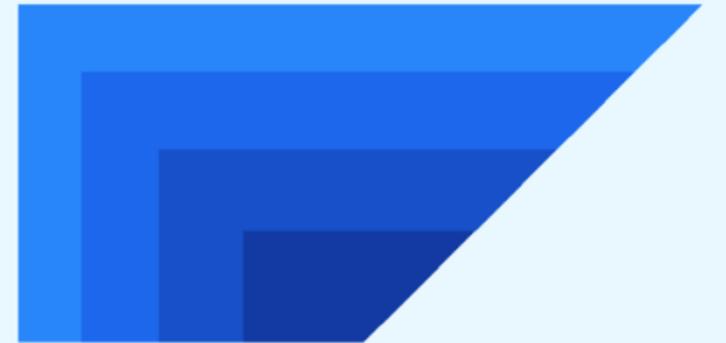
Compatibility Packs in Supply Chain Warehouse Management

The Warehouse Management (LE-WM) is not the target architecture anymore within SAP S/4HANA, on-premise edition (Functionality available in SAP S/4HANA on-premise edition 1511 delivery but not considered as future technology. Functional equivalent is available.). The (already available) alternative functionality is Extended Warehouse Management (SAP EWM) and since S/4HANA 1909 Stock Room Management.

Stock Room Management reuses major parts of LE-WM and can be used beyond 2025. Task & Resource Management (WM-TRM), Warehouse Control Unit interface (WM-LSR), Value Added Service (WM-VAS), Yard Management (WM-YM), Cross-Docking (WM-CD), Wave Management (WM-TFM-CP), and decentral WM (WM-DWM) are not part of Stock Room Management.

- CP ID 476:
 - This usage right has been extended until the end of 2030. Alternative is the basic variant of Transportation Management in SAP S/4HANA. Communication regarding further enhancements of alternative to come via SAP Road Maps.
 - Relevant notes:
 - S4TWL – Warehouse Management (WM): <https://me.sap.com/notes/2270211>
 - FAQ: Stock room Management : <https://me.sap.com/notes/2881166>
 - Detailed notes are accessible via the WayForward excel in <https://me.sap.com/notes/2269324>

Asset Management





SAP Cloud ERP Private differentiators

**SAP HANA and
Embedded Analytics**



Real-time Analytics

Asset Performance Analysis

- Technical Object Damages
- Technical Object Breakdown Analysis

Asset Costing and Valuation

- Maintenance Order Costs
- Actual Maintenance Cost Analysis

Tactical Asset Planning

- Maintenance Planning Overview
- Maintenance Backlog Overview

Asset Management Resource Planning

- Resource Scheduling for Maintenance Planners



SAP Cloud ERP Private differentiators

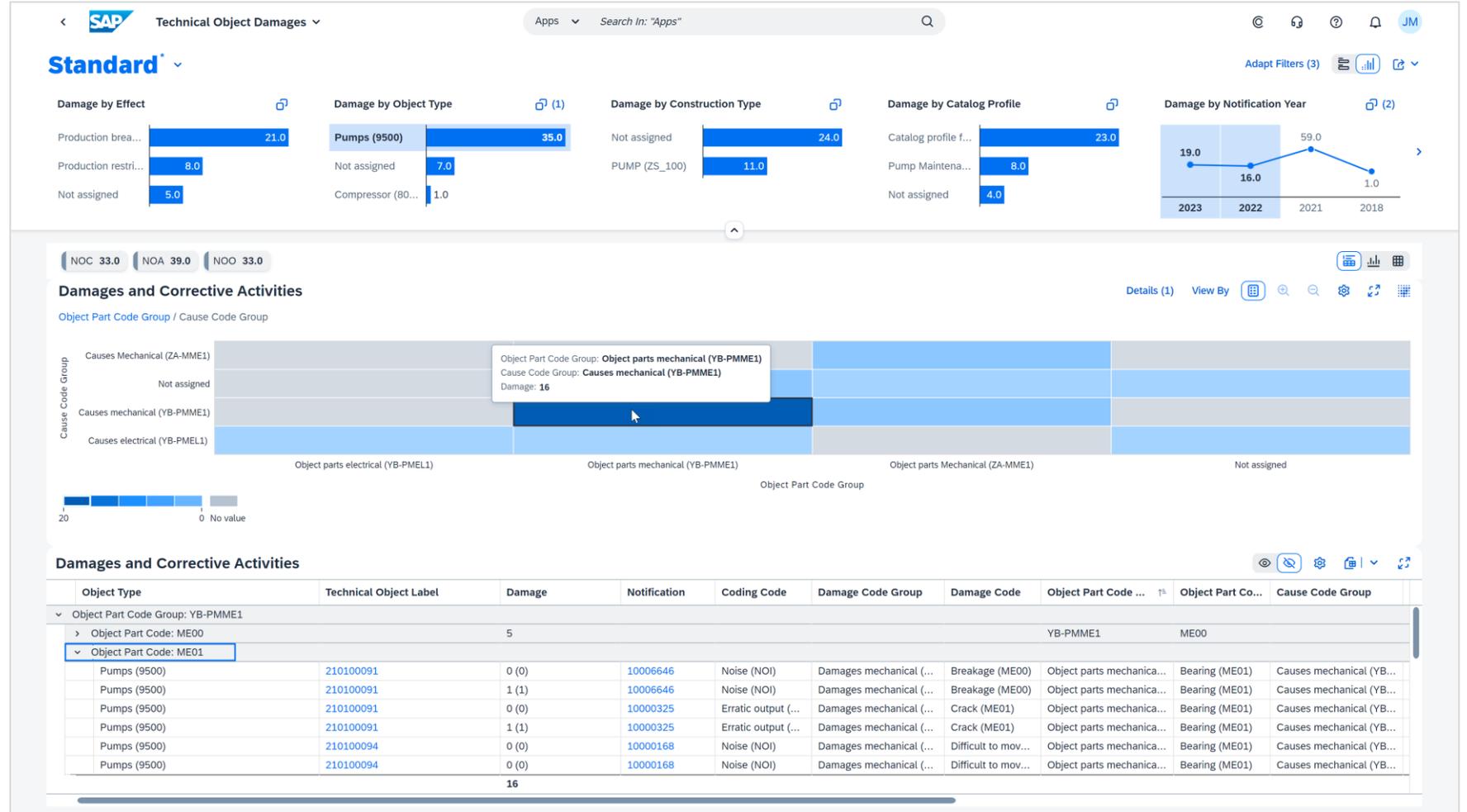
SAP Fiori



SAP Fiori

Technical Object Damages

- Analyze, track, and report damage incidents related to components, systems, and equipment in specific plants to review reliability of the assets.
- Identify frequent damages and their root causes by applying various filters.
- Drill down into maintenance notifications and reporting aggregated repair information



[Link to documentation](#)



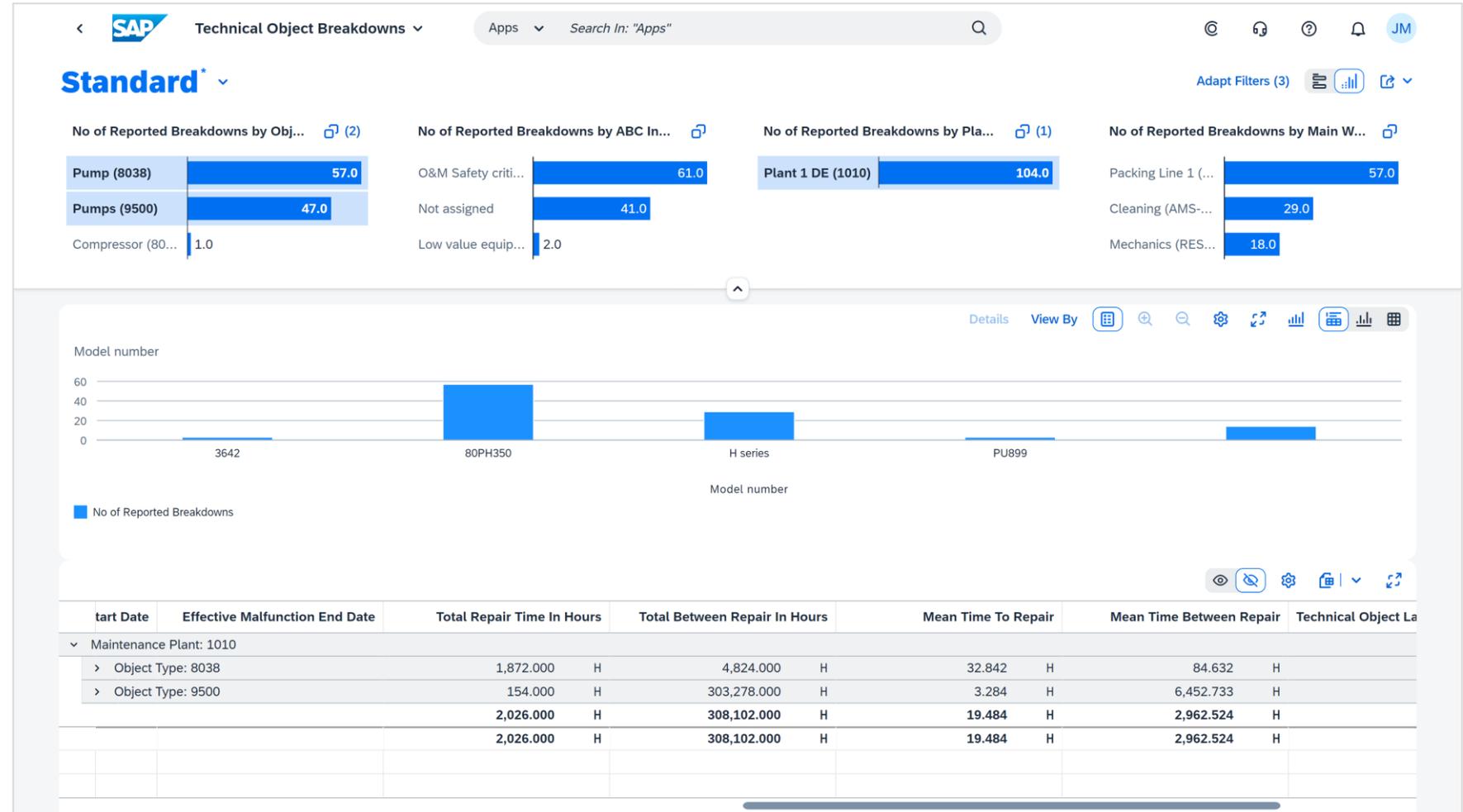
SAP Fiori

Technical Object Breakdown Analysis

Perform historical analysis of breakdown at distinct levels, i.e., across plants and specific to an object, also from components, and subsystems to equipment.

- Time to Repair
- Time Between repair
- Mean Time to Repair
- Mean Time Between Repair.

[Link to documentation](#)



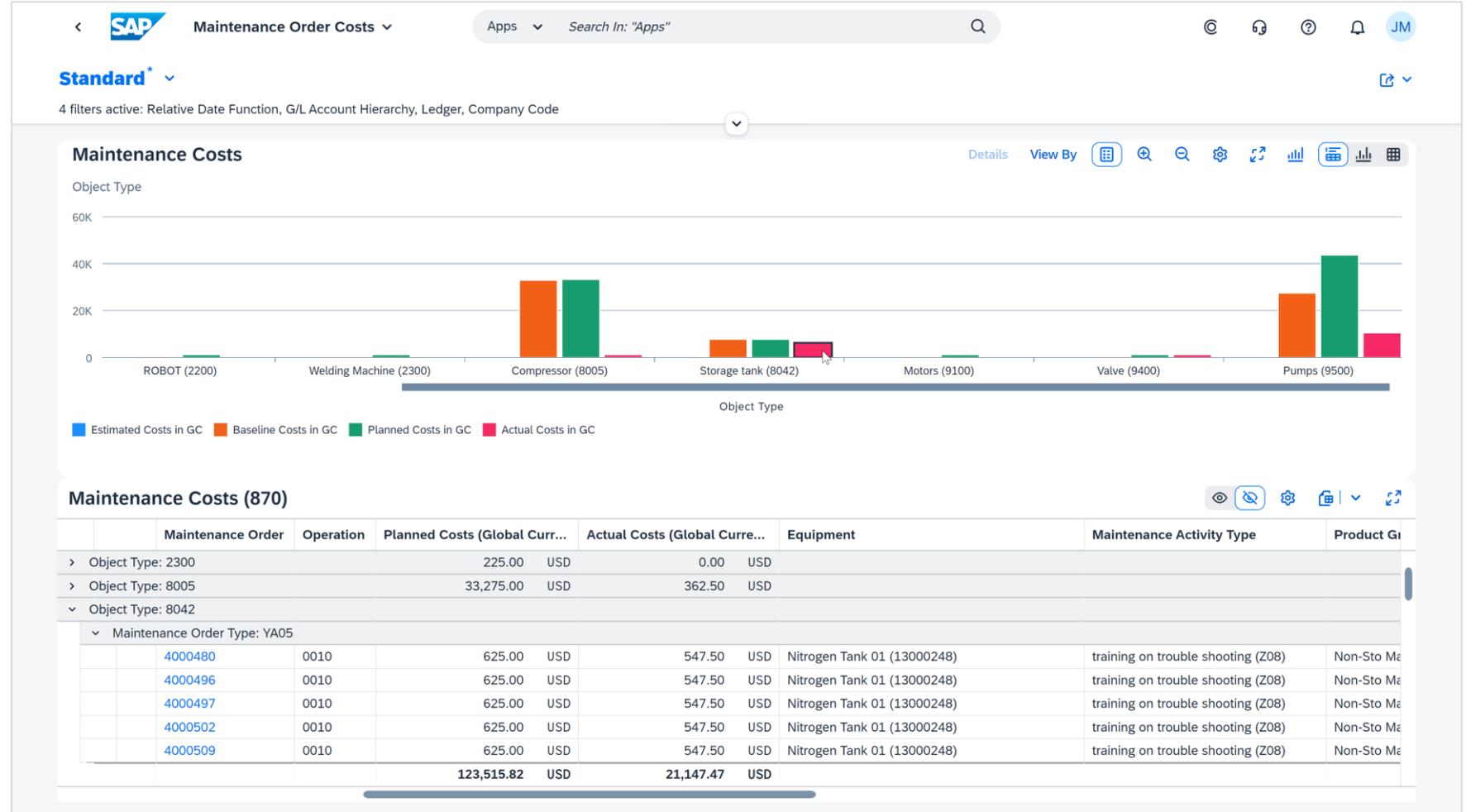


SAP Fiori

Maintenance Order Costs

- Monitor and compare estimated, baseline, planned, and actual costs from current maintenance orders.
- Analyze costs from different perspectives such as order type, responsible cost center, main work center, maintenance activity type, etc.
- Navigate directly to significant single maintenance orders for in-depth analysis.

[Link to documentation](#)



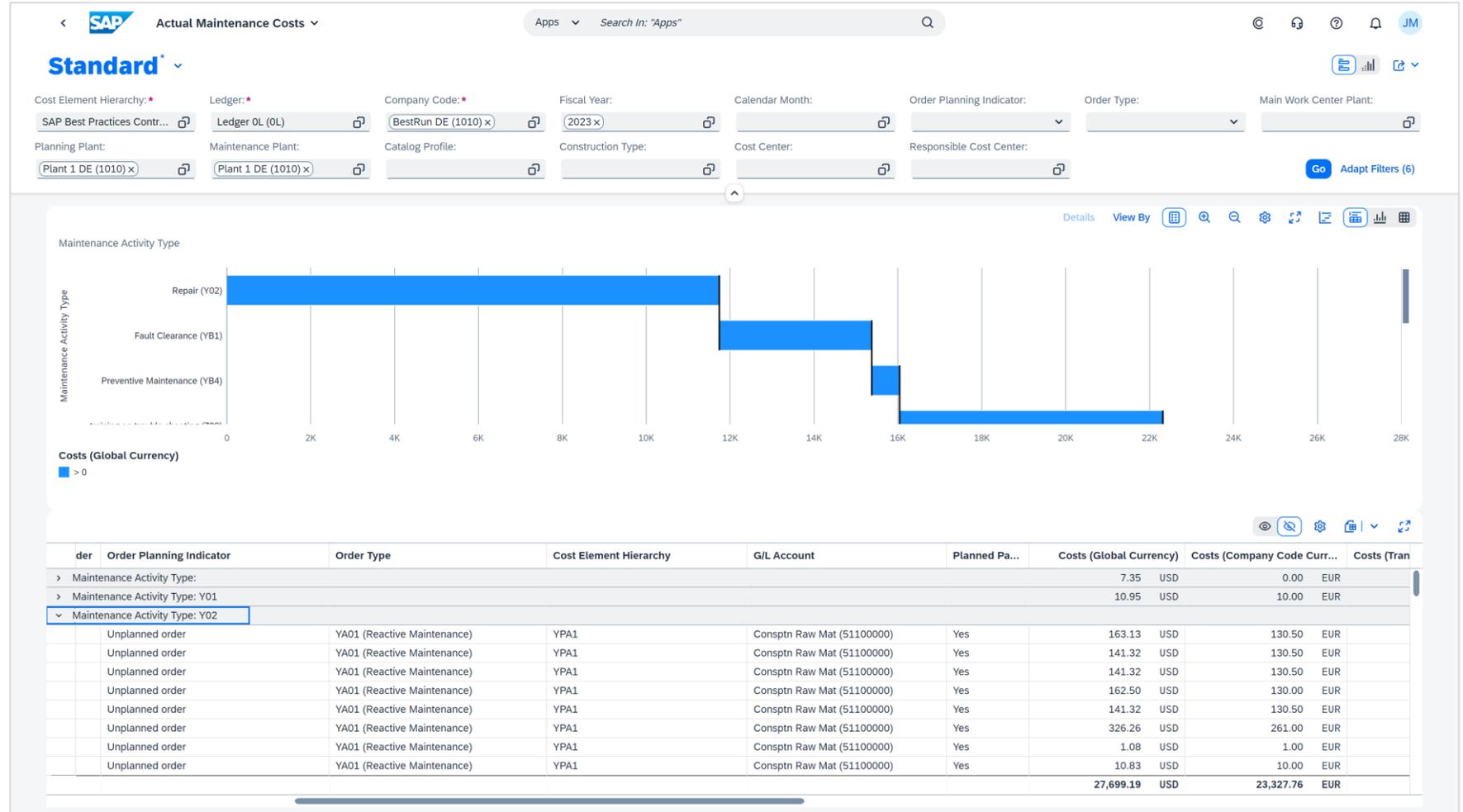


SAP Fiori

Actual Maintenance Cost Analysis

Monitor and analyze actual maintenance costs from current orders.

- Identify costly maintenance activities and components and parts of assets
- Compare corrective and preventive maintenance costs
- Slice the data by different dimensions such as fiscal year, order type, maintenance activity type, location, planner group, manufacturer, etc.



[Link to documentation](#)

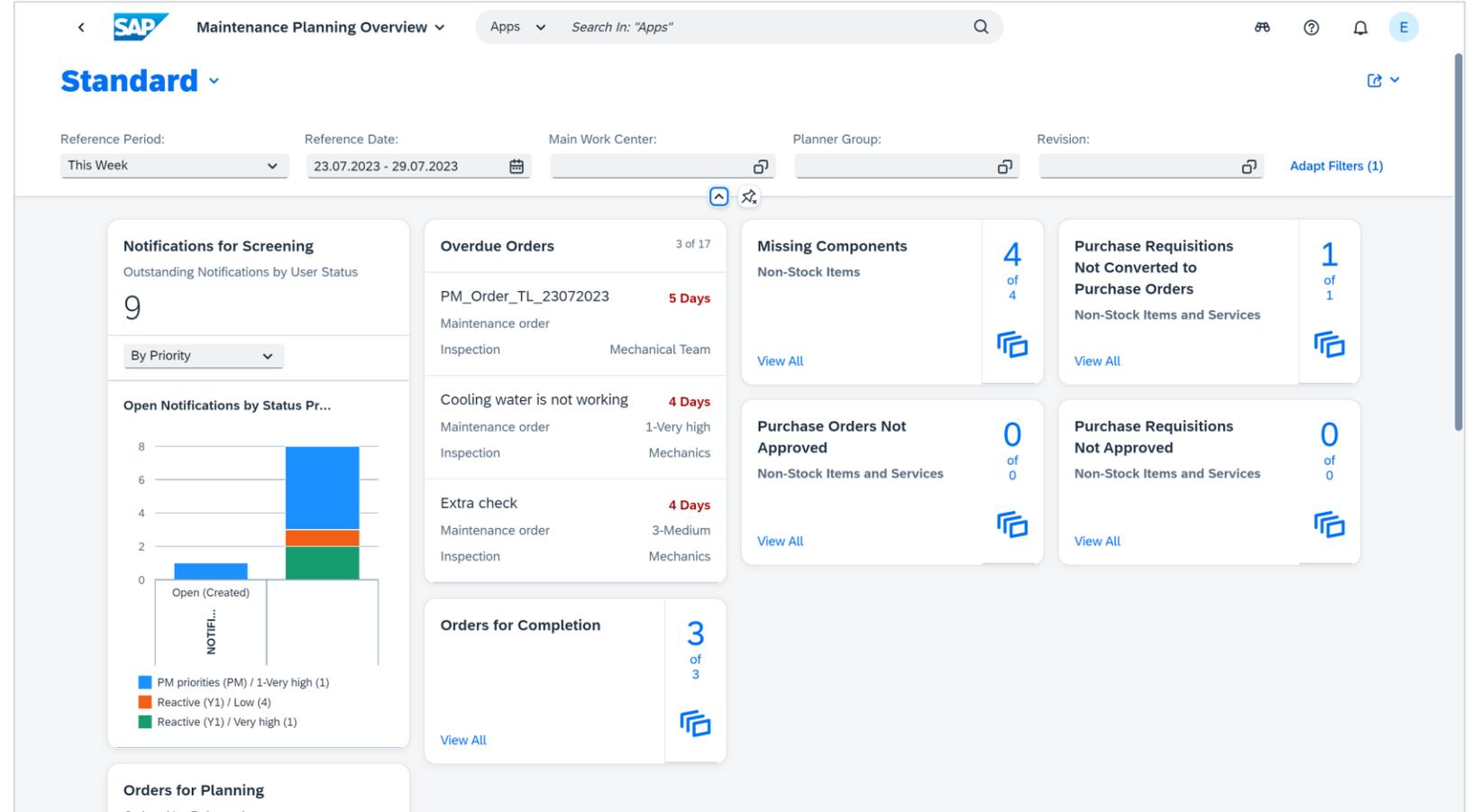


SAP Fiori

Maintenance Planning Overview

A dashboard designed to support maintenance planning and execution while effectively monitoring crucial, time-sensitive process.

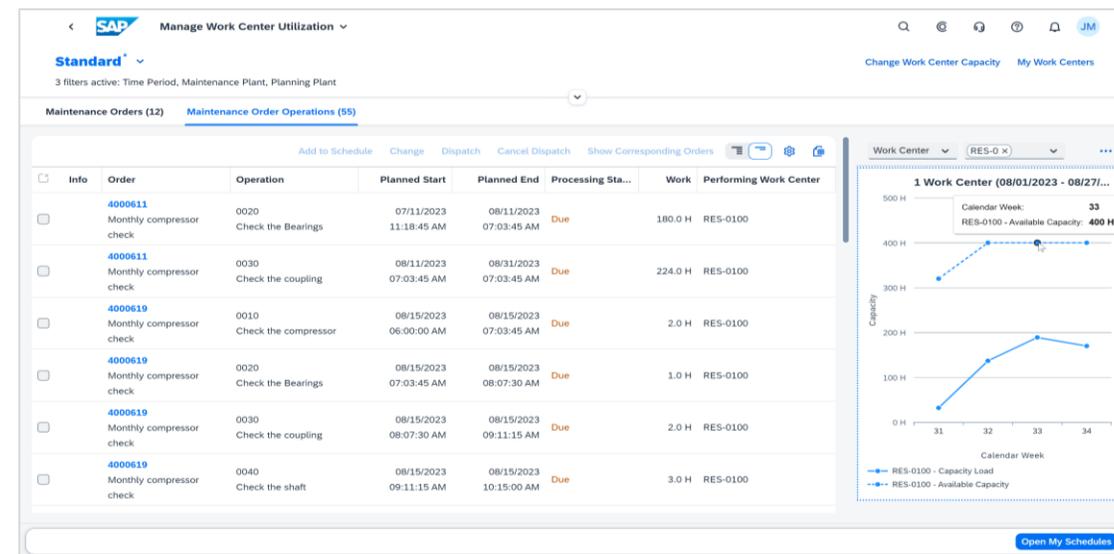
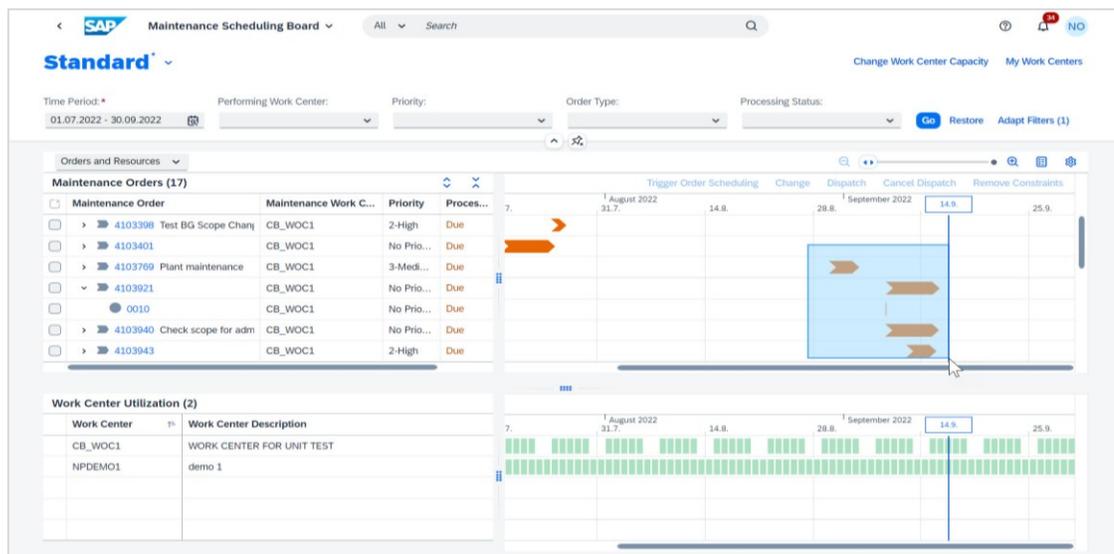
- Outstanding maintenance requests
- Overdue maintenance orders
- Missing spare parts and purchasing status
- Overdue orders and confirmation status
- Easy navigation identified documents for editing or contacting responsible persons



[Link to documentation](#)



SAP Fiori Resource scheduling



Resource scheduling provides you with insights into your maintenance workload and available capacities for current and upcoming maintenance activities.

- Gain insights into current and forecasted workloads
- Optimize the use of maintenance resources
- Reduce asset downtime and increase productivity

- Check current and forecasted work center utilization, build schedules.
- Determine required capacities before dispatching the scheduled work.
- Plan which people should carry out which maintenance operations, taking into account their availability and their function at the work center.

[Link to documentation](#)

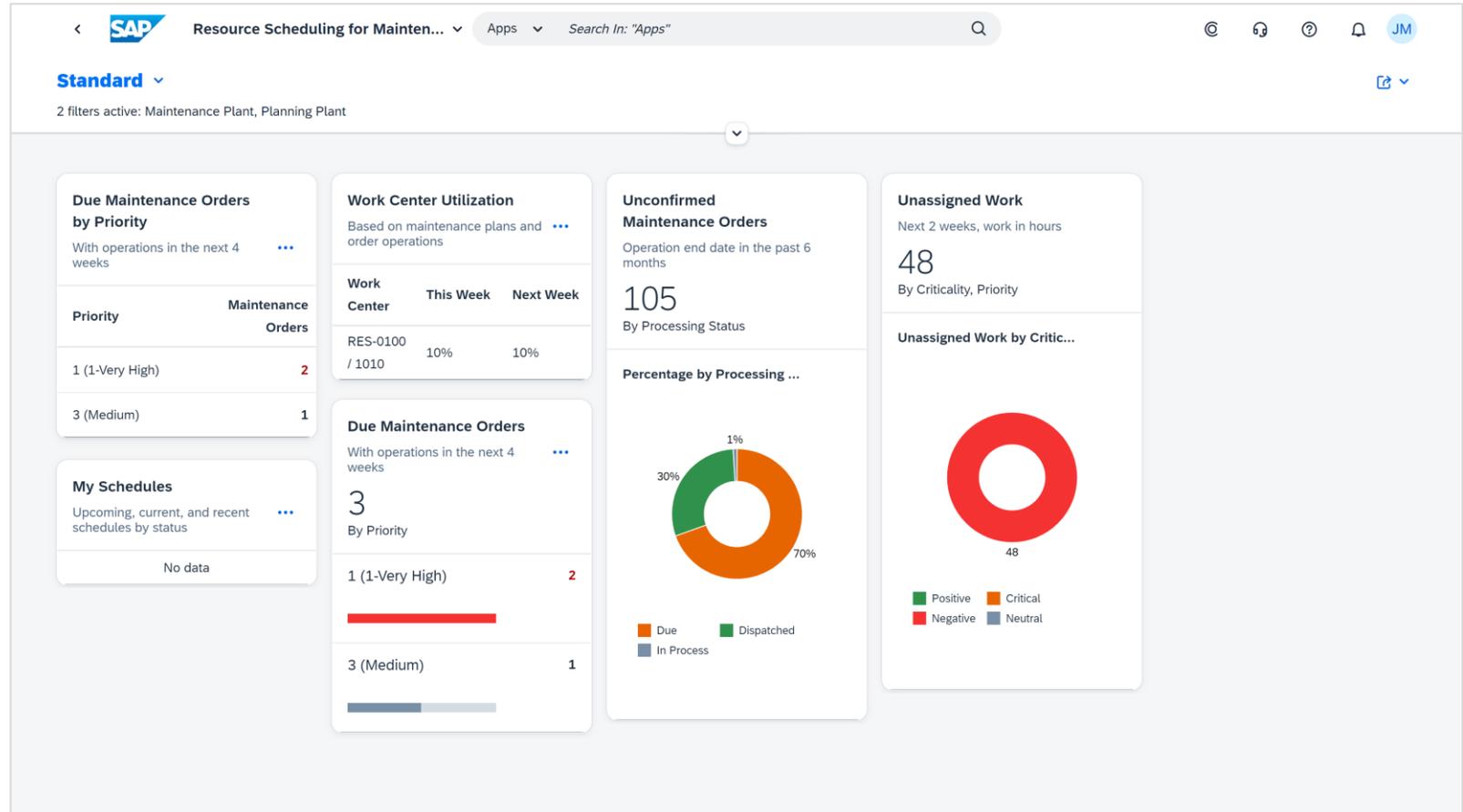


SAP Fiori

Resource Scheduling for Maintenance Planners

- Monitor upcoming, current, and recent schedules for work centers, including:
 - Utilization for the current and next week
 - Priority of due maintenance orders in the next four weeks
 - Unconfirmed maintenance orders planned six months ago
 - Unassigned work in work centers
- Utilize filters to graphically view specific information of interest
- Navigate to detail directly from within the dashboard to take actions and view more information

[Link to documentation](#)





SAP Fiori

Manage Inspection Checklists app

- This app shows an overview of inspection checklists in the Inspection Lots view, or the corresponding inspection characteristics in the Characteristics view.
- The planner can filter the result list and also perform actions, like setting the usage decision.

The screenshot shows the 'Manage Inspection Checklists' app interface. At the top, there are search and filter options. Below that, a table lists inspection lots with columns for 'Inspection Lot', 'Activation Status', 'Usage Decision', 'Characteristics', 'Total Characteristi...', 'Order Technical Object', 'Maintenance Order', and 'Order Operation'. A red box highlights the 'Order Technical Object' column for the last row, which contains '9 Pump (Checklist) (10496258)'. A line points from this box to the text 'Semantic object based cross-app navigation is enabled' below the screenshot.

Inspection Lot	Activation Status	Usage Decision	Characteristics	Total Characteristi...	Order Technical Object	Maintenance Order	Order Operation
EQU:10496258 (890000008150)	Activated	Adjustment required (R1)	3 6	9	Pump (Checklist) (10496258)	Checklist test w/ condition char. + calc (4410234)	Checklist test w/ condition char. + calc (0010)
EQU:10496258 (890000008901)	Activated		2 1 6	9	Pump (Checklist) (10496258)	Demo Checklist (4604372)	Demo Checklist (0010)
EQU:10496258 (890000009907)	Activated		9	9	Pump (Checklist) (10496258)	No Checklist should be found (4817816)	No Checklist should be found (0010)
EQU:10496258 (890000010203)	Activated	Can be used (A)	8 1	9	Pump (Checklist) (10496258)	Checklist test w/ condition char. + calc (4410234)	Second: Checklist test w/ condition (0020)
FL:A-J-B32-2A/1 (890000010512)	Activated	Reject with Notif+Meas+Doc+TO status cha (2020)	5 2	7	Pump (Checklist) (10496258)	Inspection with several checklists (4908654)	Inspection Operation for deactivating (0010)
EQU:10496258 (890000010513)	Activated	Accept with Meas+Doc+set FLCO to TO (2015)	6 2 1	9	Pump (Checklist) (10496258)	Inspection with several checklists (4908654)	Inspection Operation for deactivating (0010)
EQU:10496258 (890000011450)	Activated		9	9	Pump (Checklist) (10496258)	Checklist with Test Equipment (824879)	Inspection Operation for deactivating (0010)

Semantic object based cross-app navigation is enabled

[Blog on Expert Talk](#)

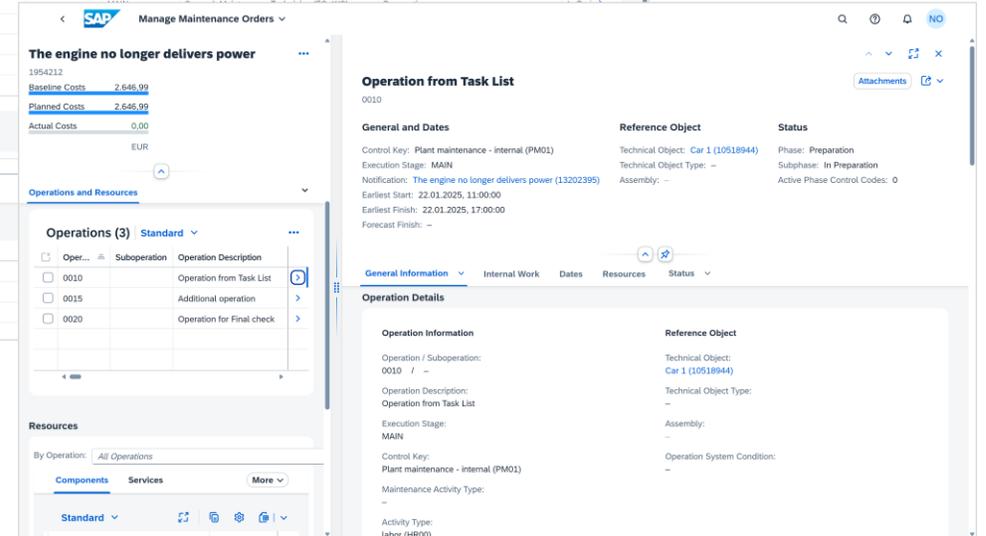
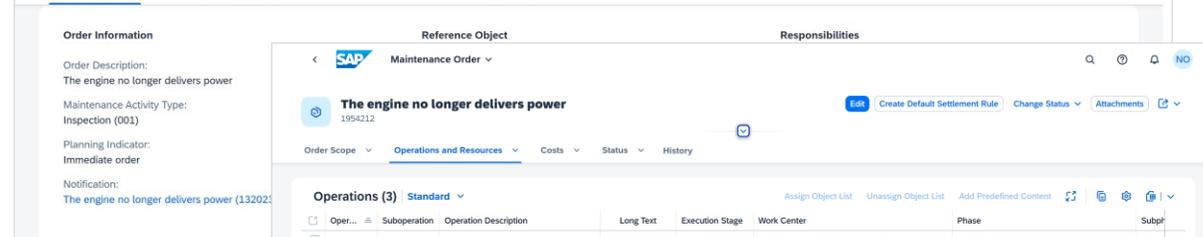
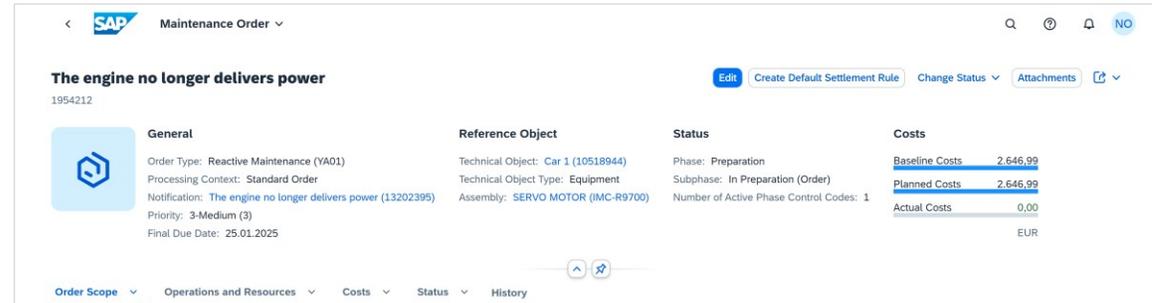
[YouTube video: Expert Talk on Inspect Checklist](#)



SAP Fiori

Manage Maintenance Orders

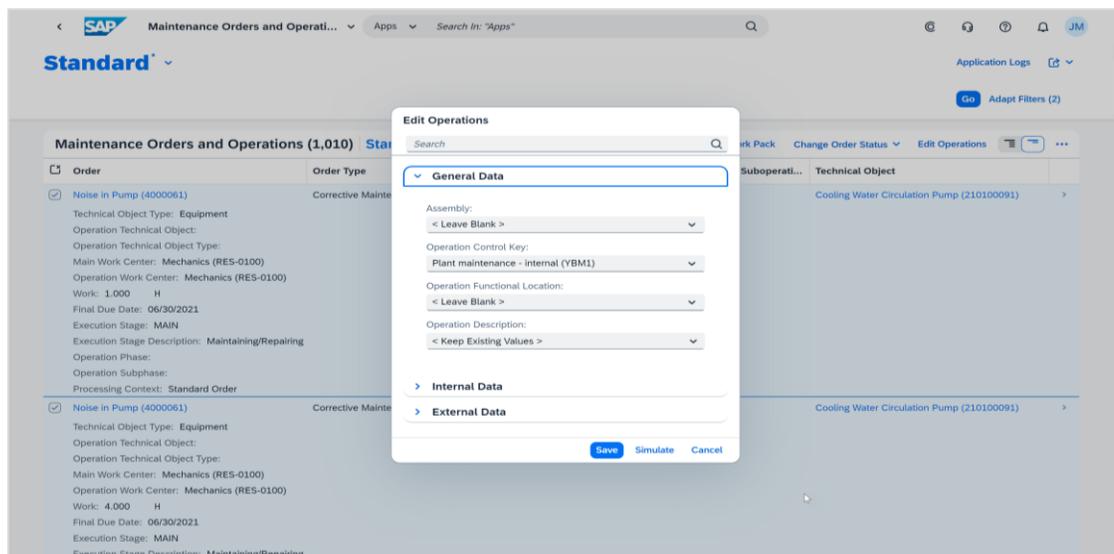
- New Fiori app that can create, edit, and display maintenance orders creating inconsistent user experience
- Display a comprehensive list view of maintenance orders, create maintenance orders and process individual orders.
- Display the document flow of a maintenance order, create a new task list, reassign components and services to a different operation, change scheduling-relevant fields of several selected maintenance orders, or cancel the system status Do Not Execute.
- Enable automated filtering based on multiple attributes embedded in a scan code



FLocSTB2-
TAG:tAUFNR200402tARBPL
STB-Mt

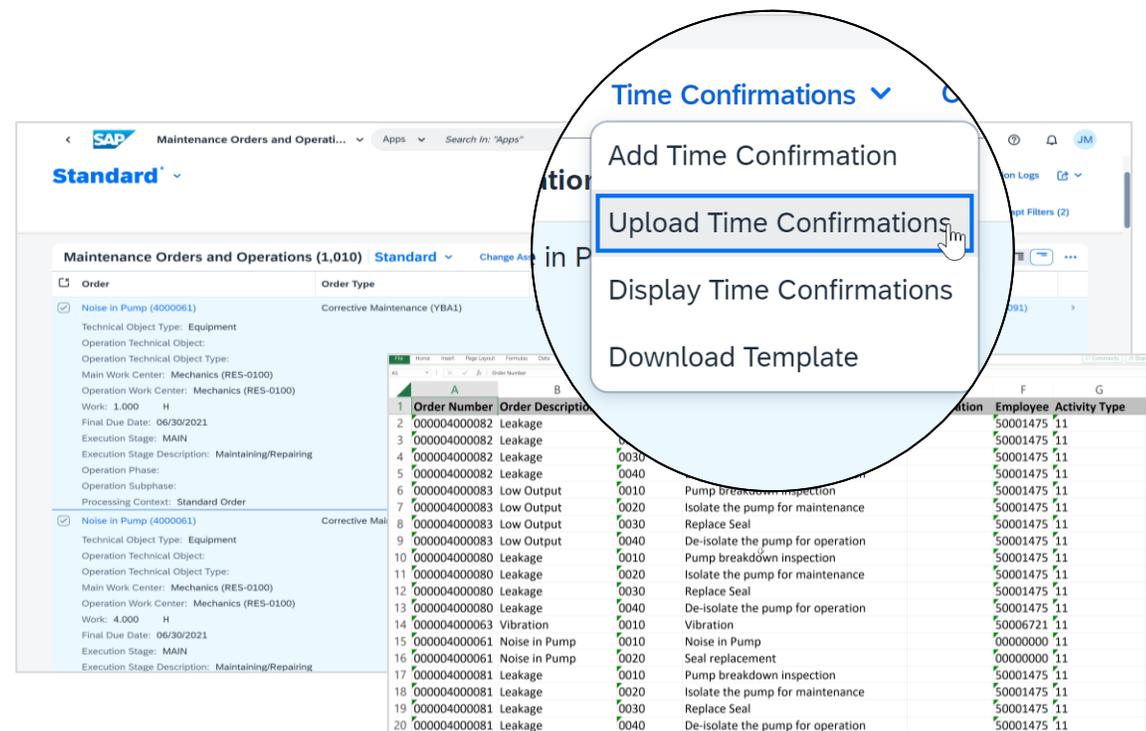


SAP Fiori Mass Editing – Maintenance Order and Operation



Select one or more order operations and change the work center, the work center plant, and the person responsible to which these order operations are assigned

[Link to documentation](#)

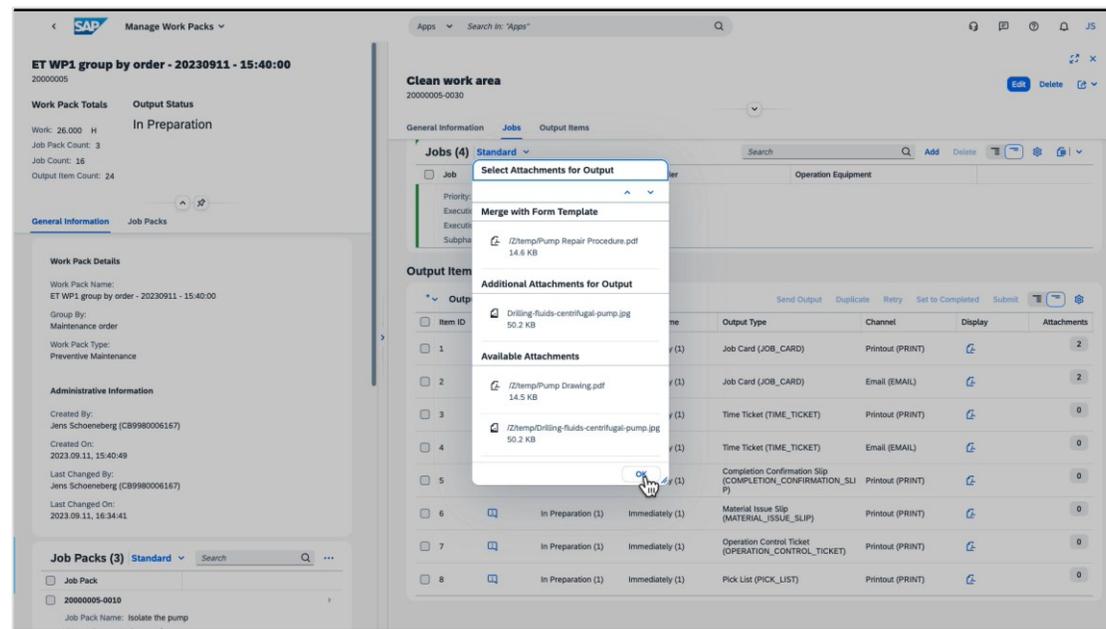
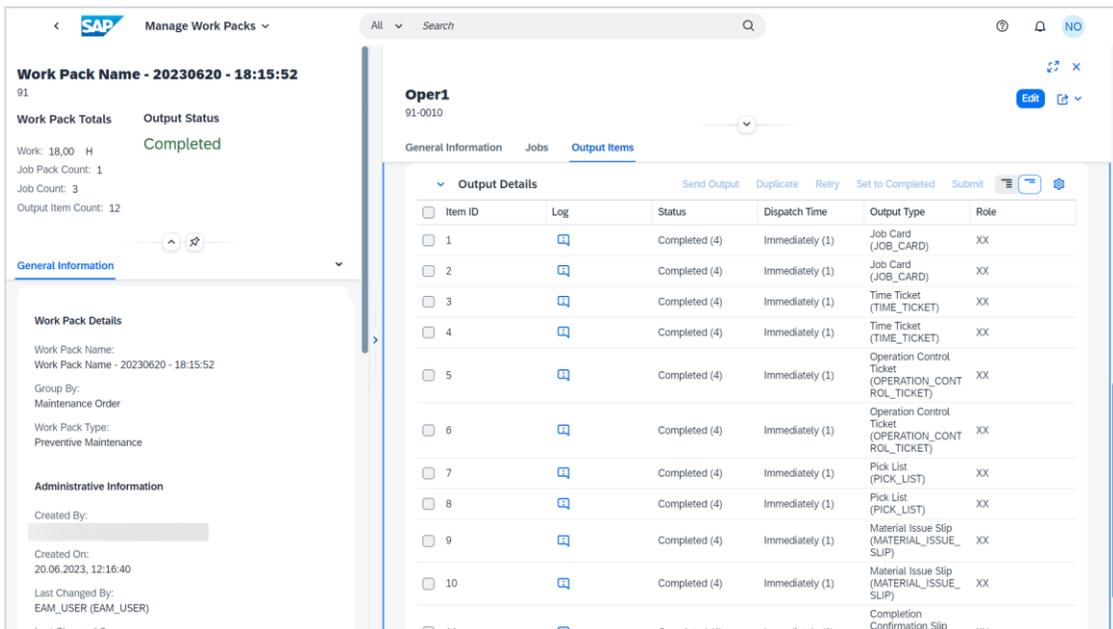


Download a template to record collective time confirmations.



SAP Fiori

Mass Editing – Collective Output / Print-Out for Orders and Attachments with Work Packs



Print job cards, etc. for multiple maintenance orders in one go

- For a team of maintenance technicians
- For a specific time period

[Link to documentation](#)

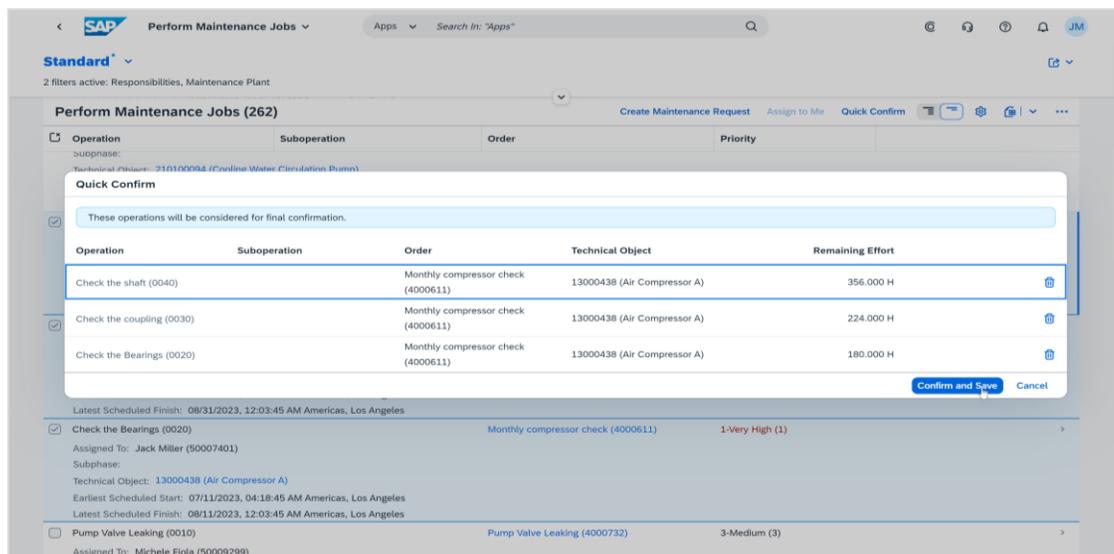
Group the printout by different criteria

- By work center
- By maintenance technician
- By technical object being maintained / repaired

Include attachments as part of the printout



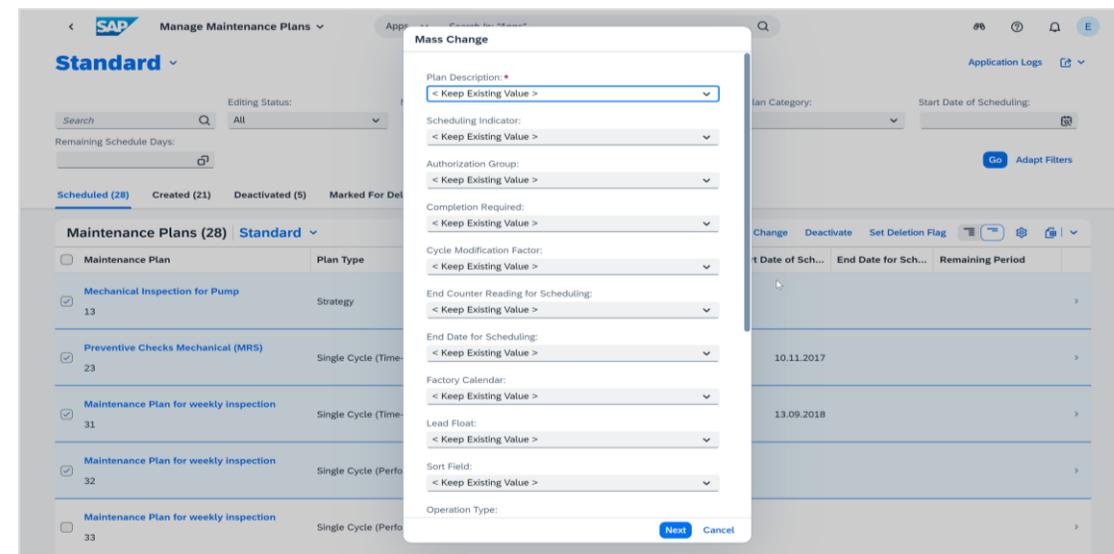
SAP Fiori Mass Editing – In Other Apps



Quick Confirm with Perform Maintenance Jobs App

Complete confirmation of one or more jobs from the list page without navigating to the details page. In this process, the effort planned for a job is automatically considered as the final effort except for jobs with system status PCNF (Partially Confirmed). For partially confirmed jobs, remaining efforts are considered.

[Link to documentation](#)



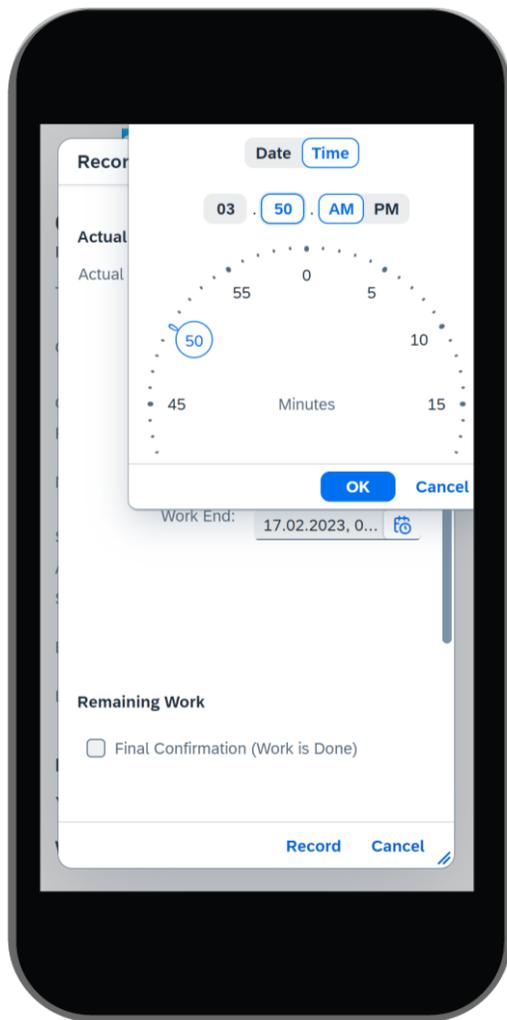
Mass Editing of Maintenance Plans with Manage Maintenance Plans App

Change the parameters such as scheduling indicator, authorization group, cycle modification factor, and so on for multiple plans at once. Using a simulation option, you can check the correctness of data in the application log.

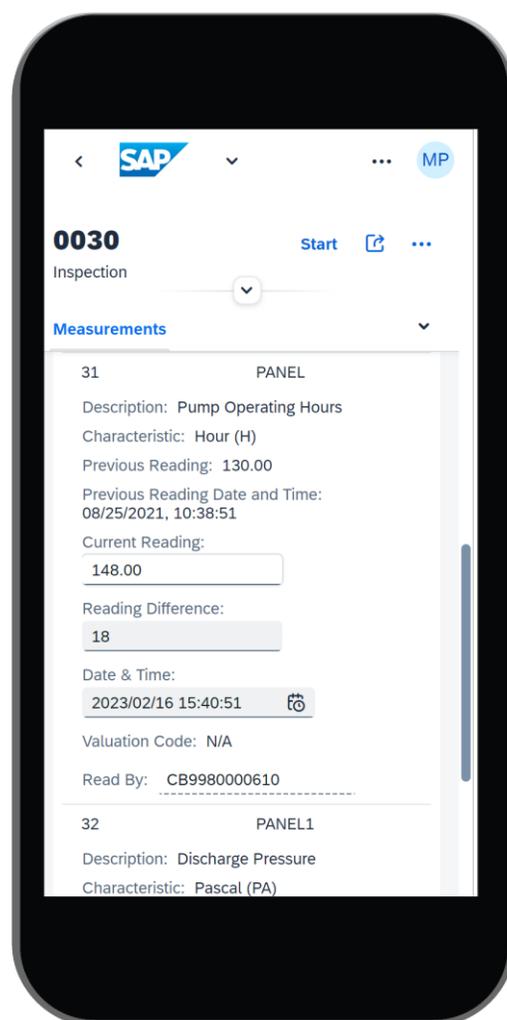
[Link to documentation](#)



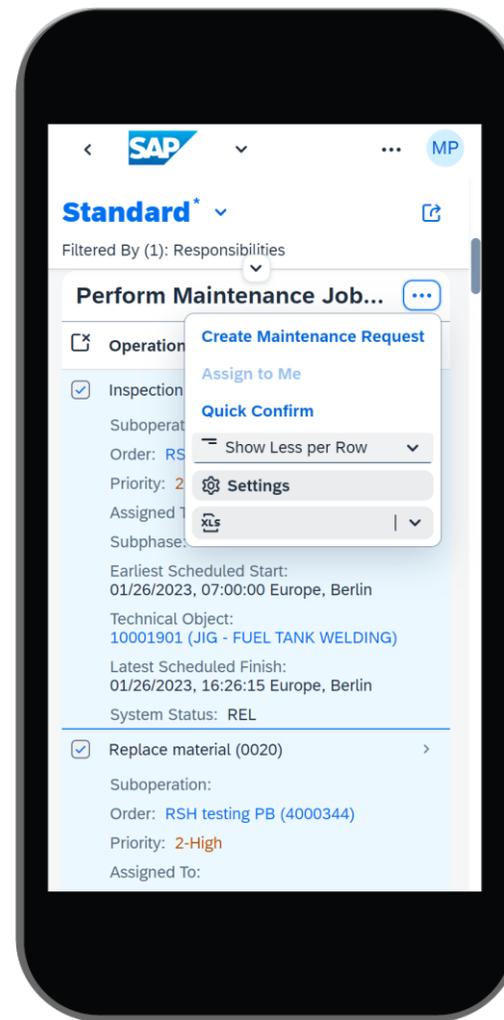
SAP Fiori Mobile Job Confirmation Updates



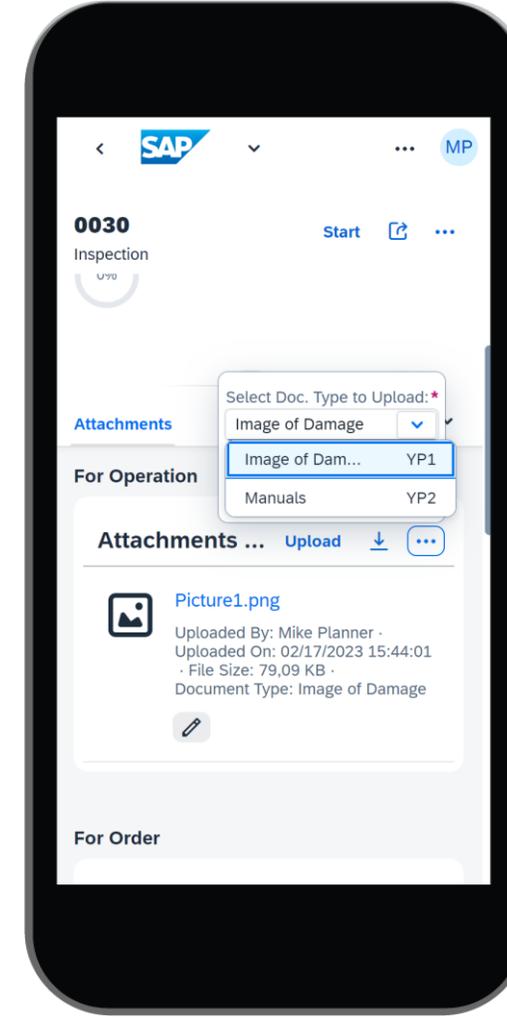
Intuitive time recording for a job



Record measurements on site



Quick confirm for multiple jobs from the list



Upload pictures from the camera



SAP Cloud ERP Private differentiators

Joule



Joule

[Perform Maintenance Jobs](#)

[Display Maintenance Orders and Maintenance Notifications](#)

[Create and View Maintenance Events](#)

The screenshot displays the SAP Joule interface for maintenance management. At the top, there is a navigation bar with the SAP logo, a 'Home' dropdown, and search, help, and notification icons. Below this, a breadcrumb trail shows 'My Home' | 'Maintenance Planning' | 'Maintenance Execution'. The main content area is divided into sections: 'To-Dos' with 'Tasks (2)' and 'Situations (0)', two task cards for 'Write to Owner US00017082' and 'Edit maintenance notification 10000340 / M1', a 'News' section with a 'Sales' article, and a 'Pages' section with tiles for 'Explorer', 'New Connection with Compatible Units', 'Overview', and 'Inspection Checklists'. A right-hand sidebar titled 'Upcoming Maintenance E...' shows a list of maintenance events for the period 2025-10-19 to 2026-01-19, including details for event 00000012 and EVENT_01. A search bar at the bottom of the sidebar contains the text 'Message Joule...'.



SAP Cloud ERP Private differentiators

Joule Agents



Joule Agent for Maintenance Planner*

Collaborating with the maintenance planner, the agent continuously analyzes real-time data and suggests maintenance schedule adjustments, reprioritizing tasks and improving asset health

Joule uses details from the technical object to **create** the corresponding **maintenance planning bucket** and the **maintenance event**

Show upcoming maintenance events with already **assigned maintenance orders and notifications** and enable the planners to assign maintenance orders and notifications to a maintenance event

Check for **available slots in production planning** and ensure that capacities for production work centers are blocked for any new operations that may be suggested

Joule

Today 8:00 AM

Can you create me one more Event for my Cooling Tower#02 in June?

LM - Large Maintenance

Details

Involved Technical Objects:
1010-CWS-CTW-CTW02

Proposed Start Date/Time:
06.06.2025 06:00 a.m

Proposed End Date/Time:
30.06.2025, 05:00 p.m.

Outstanding Maintenance Notifications to be added:
56

Outstanding Orders to be added:
120

Estimated Asset Downtime Time:
355 H

Estimated Costs:
78.600 USD

Planning Bucket Creation

Joule

1010-CWS

Proposed Start Date/Time:
06.06.2025 06:00 a.m

Proposed End Date/Time:
30.06.2025, 05:00 p.m.

Outstanding Maintenance Notifications to be added:
56

Outstanding Orders to be added:
120

Estimated Asset Downtime Time:
355 H

Estimated Costs:
78.600 USD

Here are some actions I would recommend:

1. Check for Upcoming Maintenance Plan Calls
2. Check for Tools/Non-Stock Materials/Services used in a similar Event

Please execute the recommended steps

Check for Upcoming Maintenance Plan Calls...

Assign Notifications/Orders to Planning Bucket

Joule

Here are some actions I would recommend:

1. Prepone Proactive Maintenance Activities to include them into the event
2. Create Purchase Requisition for the supplier
3. Reschedule the Event if needed

Please execute the recommended steps

Here is the information

Updated Event Information

Details

Added Maintenance Orders:
12

Purchase Requisition created:
10000087

New Start Date/Time:
06.06.2025 06:00 a.m.

New End Date/Time:
08.07.2025, 05:00 p.m.

Checking for available slots in production planning

Discovery Center



SAP Cloud ERP Private differentiators

SAP Business AI



Intelligent technologies AI-assisted maintenance order recommendation

Let AI recommend maintenance orders that solved similar incidents from maintenance history. Select one to copy to create a new maintenance order.

- Minimize disruptions of inadequate planning and execution by analyzing and learning from past data that align with best practices with a higher likelihood of success
- Improve efficiency by leveraging historical data from maintenance orders and maintenance notifications to provide planners with templates for resolving new maintenance requests
- Reduce the time to plan a maintenance order by providing a maintenance order recommendation feature with self-learning capabilities

The screenshot shows the SAP 'Maintenance Notifications and Orders' interface. A 'Create Order' dialog is open, displaying AI recommendations for maintenance orders. The dialog includes fields for 'Maintenance Order Type' (Reactive Maintenance (YA01)), 'Plant Description (ID)', and 'Planning Plant'. Below these fields, there are three recommendation cards:

Recommendation	Matching Score	Technical Object
Best Match: Copy from Order 4000012	9.5 / 10	Technical Object (ID)
Alternative: Copy from Order 3092819	8.5 / 10	Technical Object (ID)
Alternative: Copy from Order 4000234	8.0 / 10	Technical Object (ID)

The background shows a list of maintenance notifications with columns for Execution Object Type, Execution Object, and Due Date.

Discovery Center



SAP Cloud ERP Private differentiators

Situation Handling



Intelligent technologies Situation Management

Some examples:

[Maintenance plan is created or changed](#)

[Maintenance item is created, assigned, or changed](#)

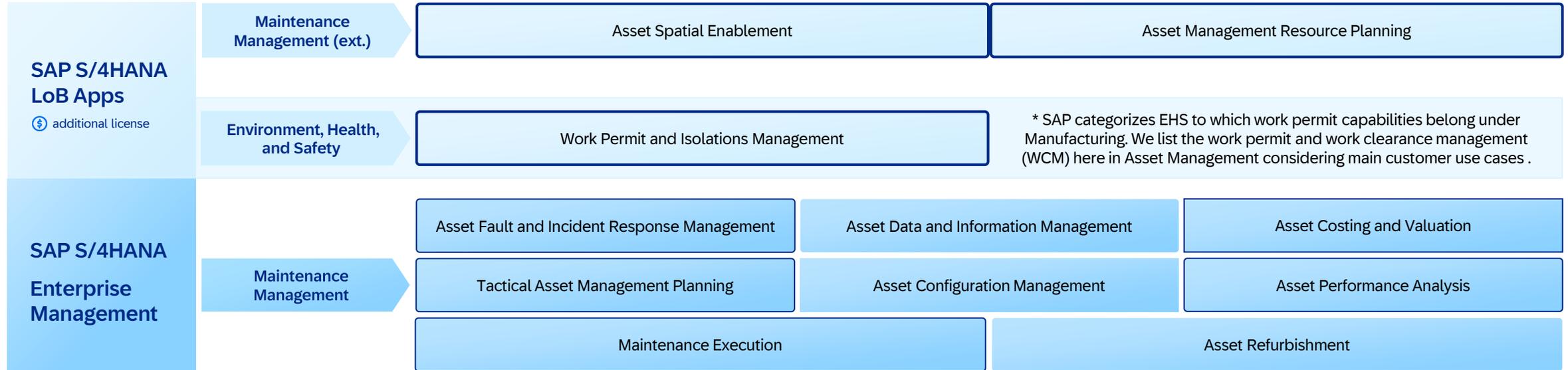
[Maintenance task list is created or changed](#)

The screenshot shows the SAP Asset Management dashboard. At the top, there is a navigation bar with the SAP logo, a 'Home' dropdown, and search, chat, and help icons. Below the navigation bar, there are tabs for 'My Home', 'Processes and Flows', and 'Business Catalogs and Groups'. The main content area is divided into two sections: 'To-Dos (23)' and 'News'. The 'To-Dos' section contains four cards, each representing a task: 'Asset with class 2000 cc US10_PLC desc Demo cc 1710 needs approval for creation'. Each card indicates a 'Medium Priority' task created by 'SAP_WFRT' 2 months ago. The 'News' section features a news article titled 'BestRun Tops consumer Report rankings' with a photo of a smiling man. To the right of the news article is a 'Pages' section with four colored buttons: 'Business Catalogs and Groups' (blue), 'Master Data Processes and Flows' (pink), 'Asset Accounting - Workflow Processes and Flows' (orange), and 'Asset Revaluation Processes and Flows' (purple).

Blog series Situations Handling



Updated Business Processes and Functionalities Business Area and Business Capability Overview



Updated business capabilities in SAP S/4HANA

* SAP categorizes the business capabilities of Environment, Health, and Safety under the manufacturing line of business; however, the business processes related to work permit are often discussed in the context of asset management and thus shown here.

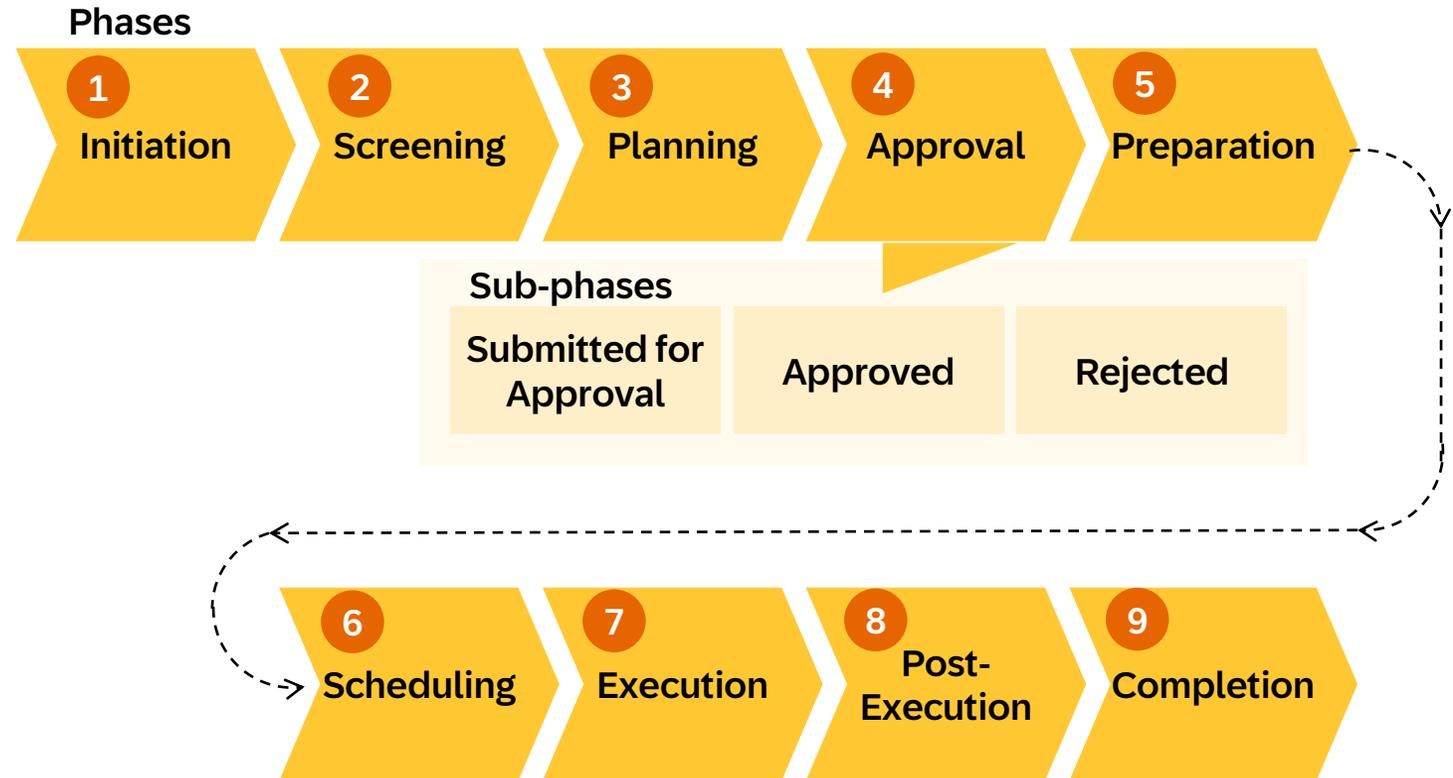


Updated Business Processes and Functionalities

Maintenance Management

Phase-Based Maintenance Process

- No need for end users to memorize complex system statuses – NOCO, OSNO, TECO, etc.
- Monitoring backlogs across its life cycle is crucial to effectively resolve asset failure, mitigate safety issues, and ultimately help prevent unplanned downtime.
- Phase model unifies monitoring steps for various types of maintenance backlogs.
- Unified monitoring process helps in identifying root cause of any process inefficiencies in maintenance execution.
- Improve reliability of enterprise assets by using standard content and Fiori apps from SAP for continuous improvements in planning and execution of various maintenance activities



[Link to documentation](#)



Updated Business Processes and Functionalities

Asset Fault Response Management

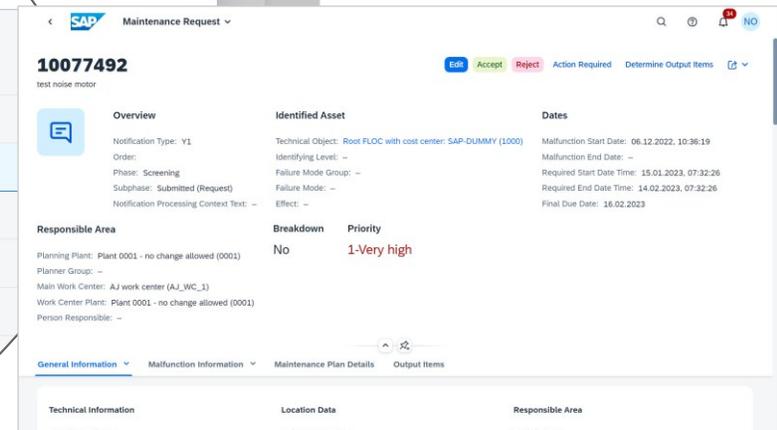
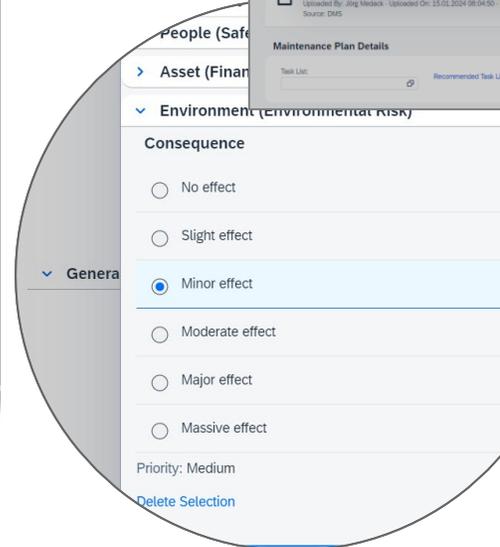
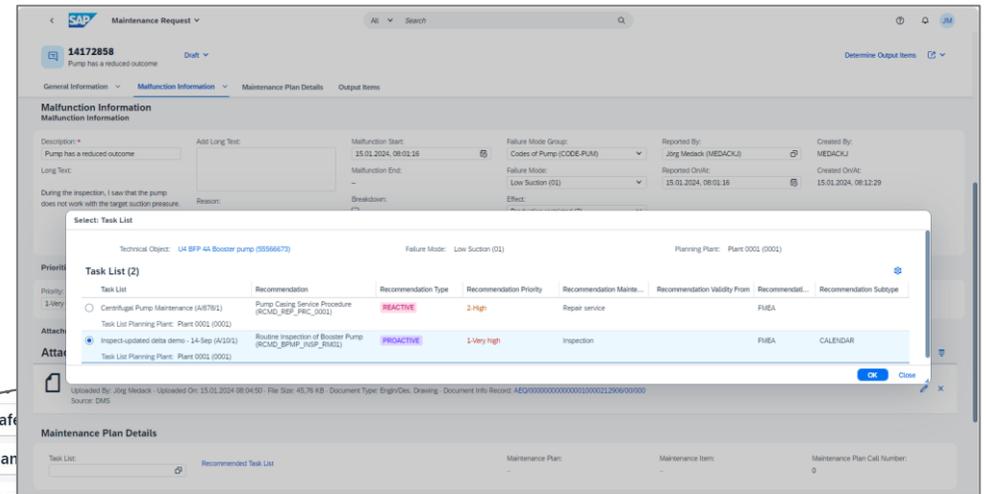
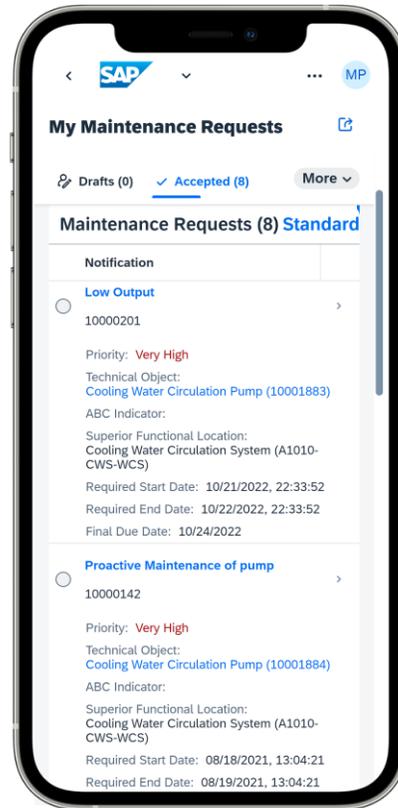


Risk Assessment

- You can include a risk-based assessment of the priority of work request by evaluating expected consequences of failure and their likelihood.

Screening

- Maintenance supervisors / planners can review maintenance requests and edit details. You can return a maintenance request to the initiator for additional information. You can proceed to the next phase by accepting the request.
- While screening maintenance requests, supervisors can use the recommendations from APM to select a task list.



[Link to documentation](#)



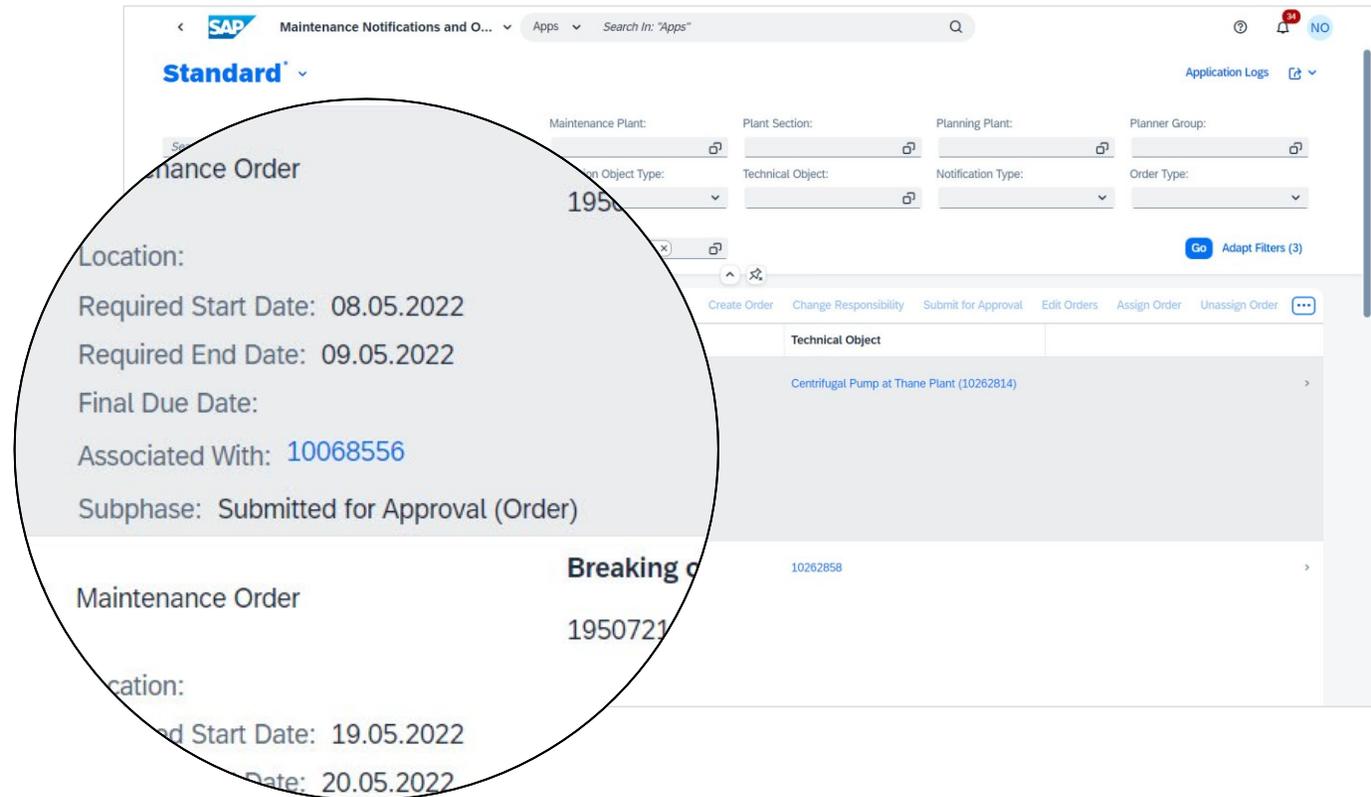
Updated Business Processes and Functionalities

Tactical Asset Planning



Manage Workflows, Teams, and Responsibilities

- You can initiate an approval process and manage the approval workflow for maintenance orders. As a configuration expert, you can configure workflows to optimize the approval process for maintenance orders.
- Dynamic Start Conditions
- Setup Approval Rules without programming skills
- N-step Approval
- Separated Approval Workflows for different planning plants / planning groups
- Dynamic Approver Determination



[Link to documentation](#)



Updated Business Processes and Functionalities

Tactical Asset Planning

Maintenance Planning Buckets and Backlog

- By defining maintenance planning buckets, you can divide the maintenance effort into manageable groups based on their scope
- The scope of a planning bucket includes time, but also other important attributes of the maintenance jobs such as the planner group
- Based on this scope, the system groups maintenance orders and assigns them to the corresponding planning buckets



Order	Status	Operat...	Component Details	Operation Description
Improvement Pump 1 (4000281)	Green	0010 MAIN	Mechanical Seal (SP005) Spare Parts (ERSA)	Check the pump
	Green	0020 MAIN	Bearing (SPO01) Spare Parts (ERSA)	Extend the pipes
	Green	0030 MAIN	Coupling (SP002) Spare Parts (ERSA)	Check the coupling
	Red	0040 MAIN	Shaft (SP003) Spare Parts (ERSA)	Check the shaft
Improvement Pump 2 (4000282)	Green	0010 MAIN	Mechanical Seal (SP005) Spare Parts (ERSA)	Check the pump
	Green	0020 MAIN	Bearing (SPO01) Spare Parts (ERSA)	Extend the pipes

Maintenance Planning	Week	Year	Remaining ...	Start Date and ...
FL WEEKLY PLANNING_08_2025	8	2025	100%	23.02.2025, 06:00:00
FL BP WEEKLY PLANNING_08_2025	8	2025	100%	21.02.2025, 06:00:00
FL BP WEEKLY PLANNING_07_2025	7	2025	71.4%	16.02.2025, 06:00:00
FL WEEKLY PLANNING_06_2025	7	2025	42.9%	14.02.2025, 06:00:00
FL BP WEEKLY PLANNING_06_2025	7	2025	0%	09.02.2025, 06:00:00

Execution Objects

Execution Object Type	Execution Object
Maintenance Order	Monthly Pump Main
Maintenance Order	Monthly Pump Main
Maintenance Order	Monthly Pump M

Notifications and Orders (3)

Priority	Associated Notification	Main Work Center
D-Very Low	10062920	EAM CAPA Check (EAM_CAPA)
D-Very Low	10062921	EAM CAPA Check (EAM_CAPA)
D-Very Low	10062922	EAM CAPA Check (EAM_CAPA)

[Link to documentation](#)

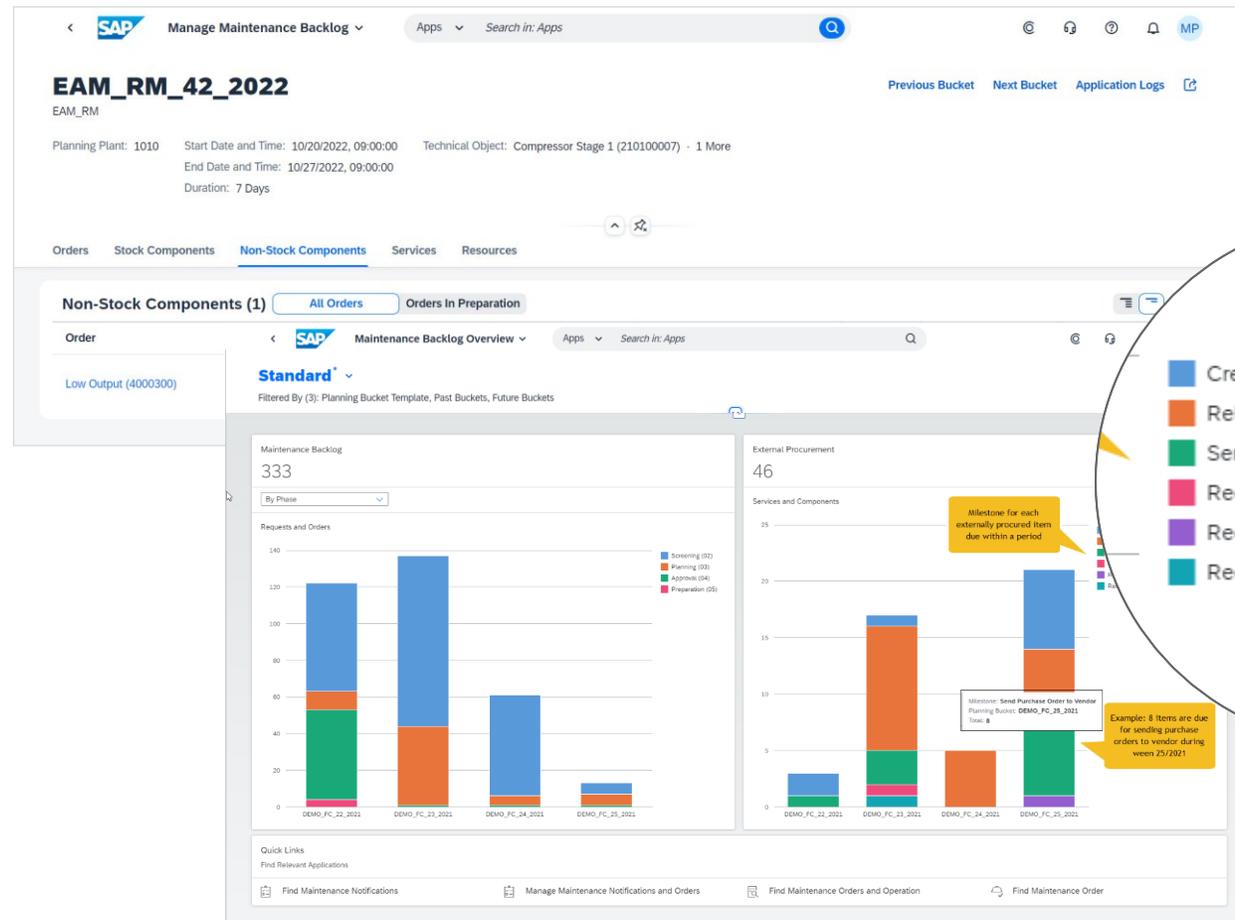


Updated Business Processes and Functionalities

Tactical Asset Planning

Maintenance Backlog Overview & Procurement Milestone

- You can use this Maintenance Backlog to monitor the procurement of non-stock materials and services by means of procurement milestones.
- The completion of some milestones depends on changes in the purchase order and posting of the goods receipt for non-stock components.



- Create Purchase Requisition
- Release Purchase Requisition
- Send Purchase Order to Vendor
- Receive Purchase Order Confirma...
- Receive Shipment Confirmation
- Receive Delivery

Milestone: for each externally procured item due within a period

Milestone: Send Purchase Order to Vendor Planning Bucket: DEMO_FC_25_2021 Year: 8

Example: 8 items are due for sending purchase orders to vendor during weeks 25/2021

[Link to documentation](#)



Updated Business Processes and Functionalities

Tactical Asset Planning



Recommendations from Asset Performance Management

Maintenance tasks lists and maintenance items are enhanced by the related recommendations from the reliability engineers working in APM. Below is an example screen from a maintenance task list.

Navigation to APM

Documentation for the failure mode

Information of recommendations assigned to the task list

Overview of the failure mode

The screenshot shows the SAP Maintenance Task Lists interface. On the left, a task list 'A/10/1' is displayed with a table of 11 recommendations. The 'Recommendations' table includes columns for Recommendation ID, Long Description, and Type (PROACTIVE). The 'Recommendation Details' view on the right shows 'Routine Inspection of Booster Pump' with general information and failure modes. The 'Failure Modes' table lists 'Spillage (04)' and 'Low Suction (01)'. The 'Attachments' section shows a document titled 'Low Suction (Failure Mode) - Noise (Failure Effect) - Cavitation.jpg'.

[Link to documentation](#)

Maintenance Task Lists



Updated Business Processes and Functionalities

Tactical Asset Planning



Recommendations from Asset Performance Management

Providing a new section for the Asset Performance integration for:

- Recommendations
- Indicators
- Assessments

Indicators table will show the S/4 measuring points as well as the APM local created indicators

Semantic object navigation to APM "Explore Technical Objects" to review the indicators

Showing assigned APM assessments to the technical object

Recommendations (3)

Recommendation	Long Description	Type	Priority	Status
Pump overhaul (PUMP_OVERHAUL)	Repair and overhaul activities to get the pump in a better operational condition.	Proactive	3-Medium (3)	Implemented
Pump: Maintenance emergency inspection (PUMP_EMERGENCY_INSPECTION)	Get fast technical insights by using an emergency inspection checklist.	Reactive	2-High (2)	Implemented
Full detailed inspections (MPI_RCD_MP_6974605)	For inspections, which need a detailed result recording.	Proactive	3-Medium (3)	Implementation in Process

Indicators (6)

Characteristic	Position	Category	Measuring Point	Source
Source: S4				
Level (MP_LEVEL)	DEFAULT	MeasPoint (general) (M)	Measuring Point: Oil level (246245)	S4
Pressure (SAP_EHS_1013_001_EC_PRESSURE)	MP4	MeasPoint (general) (M)	Test checks (246248)	S4
Oil Level in centrifugal pump (MP_OIL_LEVEL)	SEE CHECKLIST	MeasPoint (general) (M)	Measuring Point: Oil level (246250)	S4
Pressure (SAP_EHS_1013_001_EC_PRESSURE)	SEE CHECKLIST	MeasPoint (general) (M)	Calculated pressure (Mean value) (246246)	S4
Operating hours (OPERATING_HOURS)	SEE CHECKLIST	MeasPoint (general) (M)	Measuring Point: Running hours (246249)	S4
Source: Local				
Health Score in Percentage (EAM_HEALTH)	VIRTUAL	Derived in CBM (H)		Local

Assessments (2)

Assessment	Change On	Type	Status
Type: RCM			
Pump overhaul (PUMP_OVERHAUL)	22.04.2025, 08:56:39	RCM	IN_PROCESS
Type: FMEA			
Pump: Maintenance emergency inspection (PUMP_EMERGENCY_INSPECTION)	17.04.2024, 10:28:52	FMEA	CREATED

Risk and Criticality information on the header

Overview of assigned APM recommendations to the technical object

Semantic object navigation to S/4 measuring point

Semantic object navigation to APM "Manage RCM/FMEA Assessments"

[Link to documentation](#)



Updated Business Processes and Functionalities

Tactical Asset Planning

Maintenance Order: Enhanced Availability Check

- Perform an enhanced material availability check for maintenance orders and reassign committed stock material to the orders with the highest priority and urgency.
- Manually determine that committed quantities of individual components should not be cleared and reassigned during a material availability check by selecting the "Keep Commitment" checkbox. In this case, available quantities will only be assigned to the respective maintenance order but cannot be removed by the availability check.



SAP Manage Maintenance Backlog

PUMP_1710_W39
Pump Improvement Project

Keep Committed Qua...

Requirement	Quantity	Committed	Quantity
Improvement Pump 1 (4000281)	1	1	PC
Coupling (SP003) Spare Parts (ERSA)	2	2	PC
Improvement Pump 2 (4000282)	1	1	PC

Activate "Keep Committed Quantities"

All 1 1

Component

General

Order saved with number 4000281

ll Orders

Status

"Keep Committed Quantities" has been activated on o...

Requirement Q

1

2

[Link to documentation](#)



Updated Business Processes and Functionalities

Tactical Asset Planning | Maintenance Execution



Work Packs (Grouping of Print Outs)

- Print job cards, etc. for multiple maintenance orders in one go
 - For a team of maintenance technicians
 - For a specific time period
- Group the printout by different criteria
 - By work center
 - By maintenance technician
 - By technical object being maintained / repaired
- Include attachments as part of the printout
- The creation of work packs is possible for the whole order lifecycle.

[Link to documentation](#)

The screenshot shows the SAP 'Manage Work Packs' interface. On the left, a summary for 'ET WP1 group by order - 20230911 - 15:40:00' is displayed, including 'Work Pack Totals' (Work: 26,000 H, Job Pack Count: 3, Job Count: 16, Output Item Count: 24) and 'Output Status' (In Preparation). The main area shows a 'Clean work area' with a table of 'Jobs (4)' and 'Output Items'. A modal dialog 'Select Attachments for Output' is open, showing options to 'Merge with Form Template' and listing 'Additional Attachments for Output' (e.g., /Z/temp/Pump Repair Procedure.pdf, 14.6 KB) and 'Available Attachments' (e.g., /Z/temp/Pump Drawing.pdf, 14.5 KB). The background table lists output items with columns for Item ID, Job, Output Type, Channel, Display, and Attachments.

Item ID	Job	Output Type	Channel	Display	Attachments
1	...	Job Card (JOB_CARD)	Printout (PRINT)	...	2
2	...	Job Card (JOB_CARD)	Email (EMAIL)	...	2
3	...	Time Ticket (TIME_TICKET)	Printout (PRINT)	...	0
4	...	Time Ticket (TIME_TICKET)	Email (EMAIL)	...	0
5	...	Completion Confirmation Slip (COMPLETION_CONFIRMATION_SLI P)	Printout (PRINT)	...	0
6	...	Material Issue Slip (MATERIAL_ISSUE_SLIP)	Printout (PRINT)	...	0
7	...	Operation Control Ticket (OPERATION_CONTROL_TICKET)	Printout (PRINT)	...	0
8	...	Pick List (PICK_LIST)	Printout (PRINT)	...	0

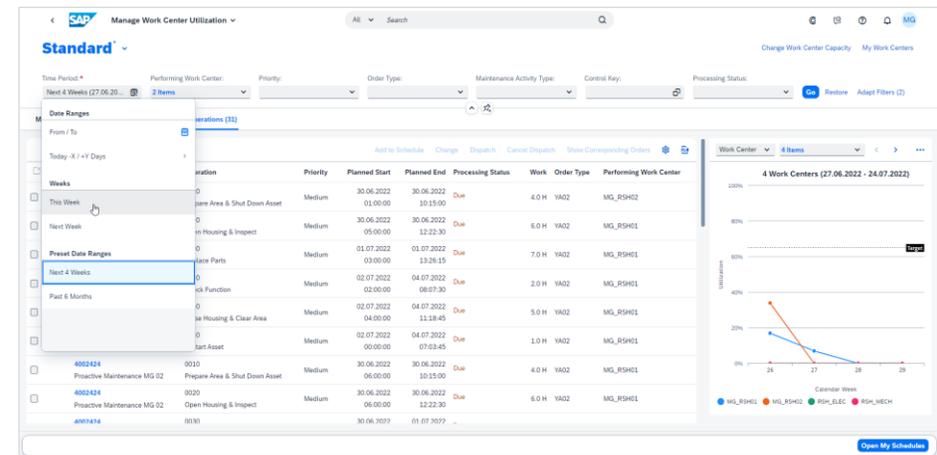
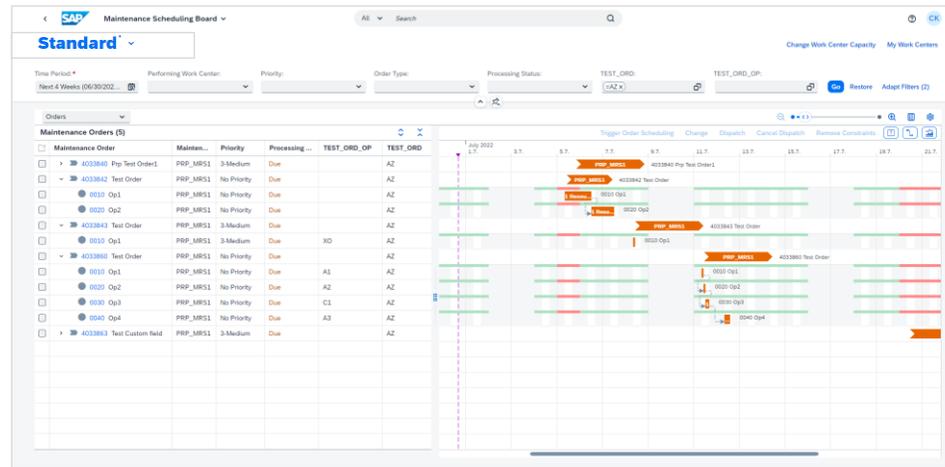


Updated Business Processes and Functionalities

Asset Management Resource Planning

Gain insights into your maintenance workload and available capacities for current and upcoming maintenance activities.

- Monitor Key Figures for Work Centers
- Analyze Work Center Utilization
- Manage Work Center Utilization
- Schedule Maintenance Order Operations
- Assign Operations to a Person Responsible
- Assign Operations to People
- Plan Maintenance Work for Assets



[Link to documentation](#)



Updated Business Processes and Functionalities

Tactical Asset Planning | Maintenance Execution



Inspection Checklist

- Enable inspection checklist process from creation of inspection plans, results recording, and follow-up actions – e.g., new checklist tab on maintenance orders
- Create inspection checklist templates for combinations of technical objects and recurring maintenance tasks; e.g., monthly electrical check-ups

Checklist Status	Inspection Lot	Inspection Lot Short Text
◆	890000003954	EQU:AJ-00012
◆	890000003955	EQU:AJ-000302

- Work Order Object List**
 - Create work order manually or from maintenance plan
 - Generate object list manually or from a maintenance plan or after creation of a work order
- Inspection Checklist**
 - Generate inspection checklists after object list generation manually or automatically at order release
- Results Recording**
 - Record results for checklist items, that is, inspection lot characteristics
- Completion Follow-Up Actions**
 - Set usage decision for inspection lots
 - Complete maintenance order (status TECO - technically completed)
 - Execute follow-up actions after usage decision

[Link to documentation](#)



Updated Business Processes and Functionalities

Maintenance Execution



Verification process and recording cooperation with other technicians

- The new verification confirmation scenario in the Perform Maintenance Jobs app enables a dual-control (four-eyes) principle for maintenance execution. This allows a second technician to verify the correctness of a performed job before final time confirmation is posted.
- it is possible to generate a dynamic QR code, that allows a maintenance technician to record time confirmation on behalf of another one. The QR code is encrypted, valid for 90 seconds, and can optionally include a confirmation text. Static QR codes are also supported for long-term authentication, with traffic light indicators showing their validity status.

[Link to documentation](#)



Updated Business Processes and Functionalities

Work Permit and Isolations Management (Environment, Health, and Safety)

Permit to Work (New Work Clearance Management)

- Manage a systematic approach in controlling and executing the operational and maintenance activities safely and efficiently in a worksite
- Create and manage safety work permits with reference to a maintenance order and/or a work permit template and independently
- Configure the nature of work, personal protective equipment, and safety precautions as integral components of the work permit solution
- Assign multiple functional locations, equipment, maintenance orders, partners, and attachments to the work permit
- Validation data and manage approval process that adheres to a four-eyes principle

The screenshot displays the SAP Work Permits interface for a 'General Safety Procedure' (ID: 12000128). The interface includes a navigation bar with tabs for 'General Information', 'Object List', 'Safety Requirements', 'Assigned Orders', 'Partners', 'Approvals', 'Issue History', 'Comments', 'Status', and 'Attachments'. The 'Safety Requirements' tab is active, showing a table of safety precautions and a list of personal protective equipment (PPE).

General Information:

- Planning Plant: Plant 0001 (0001)
- Work Permit Type: General Work Permit (GWP)
- Processing Status: Cancelled / Rejected
- Issued To: --

Safety Precautions (4) | Standard

Description	Category	Comments	Set Implementation Status	Implementation Status	Implemented On	Implemented By
De-energize underground services	Environment Conditions		No	Not Implemented		
Flushing and Draining of hazardous substances	Environment Conditions		No	Not Implemented		
Regular Gas Recording	Environment Conditions		No	Not Applicable		
Safe temperature for entry	Environment Conditions		No	Not Applicable		

Personal Protective Equipment (4) | Standard

Description	Category
Chemical splash goggles	Eye and Face Protection
Face shields	Eye and Face Protection
General safety glasses	Eye and Face Protection
Impact goggles	Eye and Face Protection

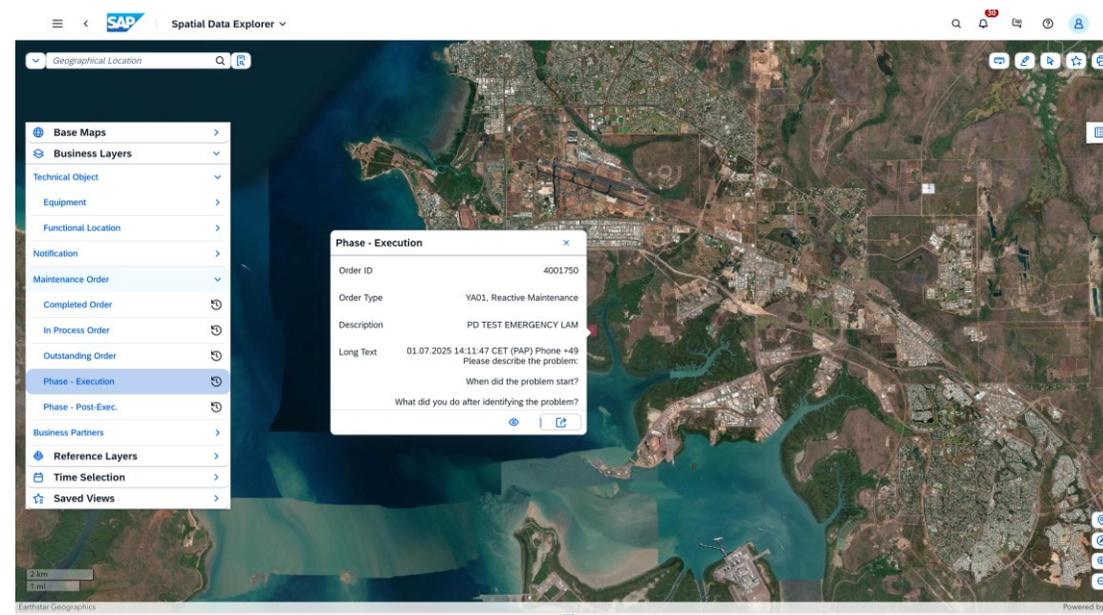
[Link to documentation](#)



Updated Business Processes and Functionalities

Asset Data and Information Management for Spatial Enablement

- Seamlessly share GIS and business data providing **end-to-end spatially enabled workflows and processes**
- **Create, edit and store geometries** (points, lines, polygons) for any geographically enabled business object
- Improve your workforce efficiency by **driving business transactions from a simple, intuitive map-based navigation** enriched with federated GIS data layers
- Use **a linear referencing method for maintaining and inspecting linear assets**, and describe and locate a position along its length
- **Dynamic segmentation** with multiple sets of attributes associated with any portion of an existing linear feature independently of where it begins or ends
- Look for maintenance notifications/requests and maintenance orders based on the Phase, Sub-Phase and Processing Context



[Link to documentation](#)



Out-of-the-Box Integration

Increase Asset Performance, Reduce Maintenance Costs and Deliver Service Excellence

Closed-Loop strategy, planning and execution processes to optimize **Asset Performance Management**

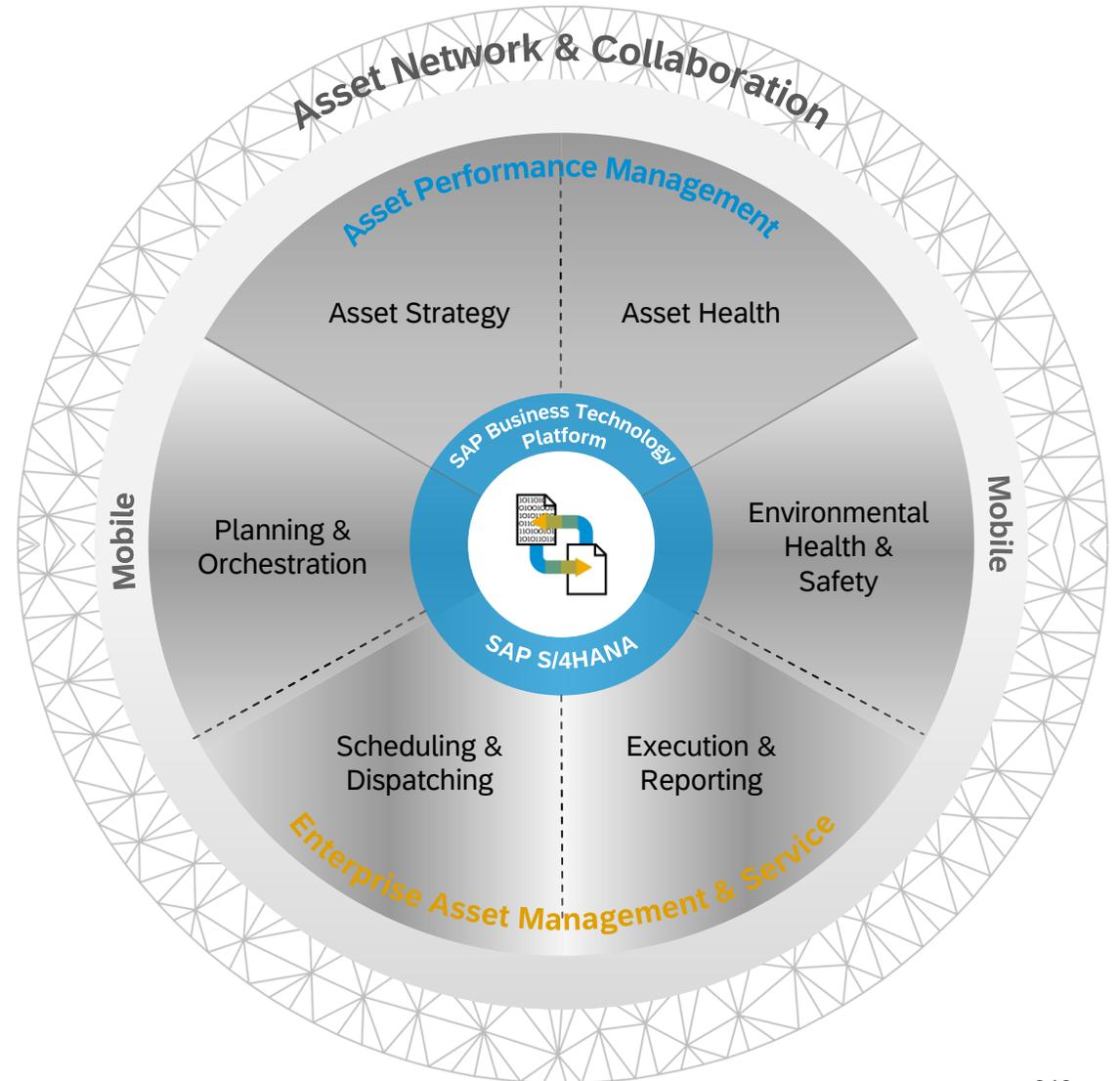
Synchronize maintenance and service across the **enterprise** for responsive customer care and supply chain **resilience**

Adopt new **collaborative** processes and ‘products-as-a-service’ business models across **Networks**

Manage asset health with **Industry4.0** for real time predictive maintenance and service

Optimize maintenance and service with **intelligent scheduling** and **crowd sourced** resource management

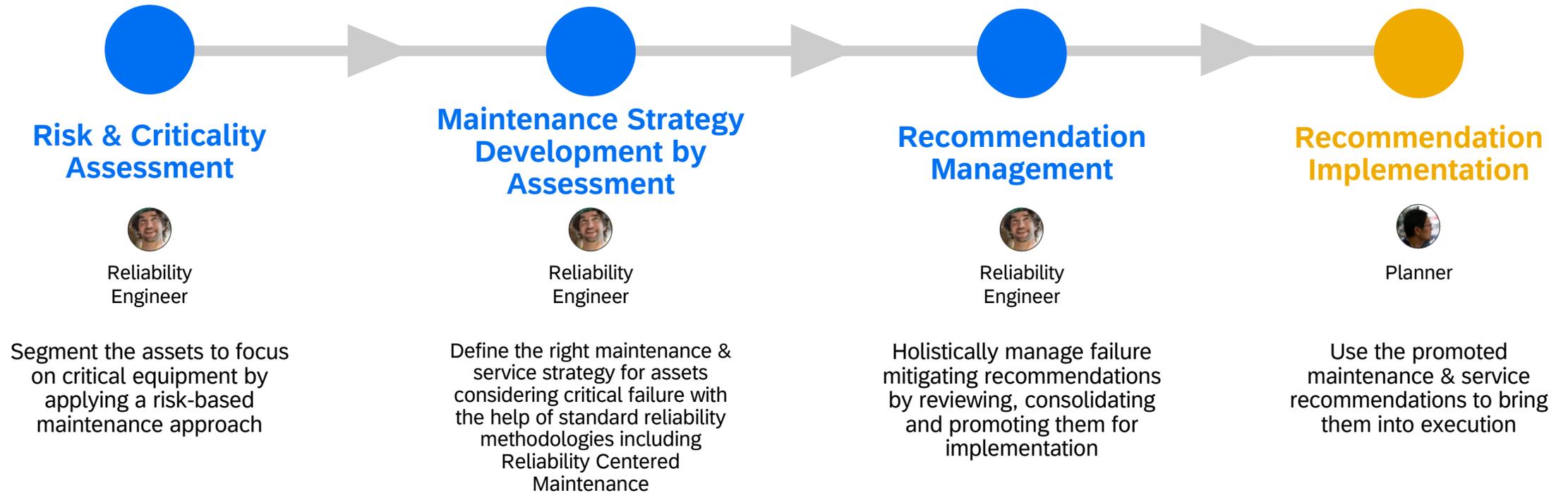
Empower users with **Mobile** asset intelligence, work automation and safe sustainable **EH&S** policies





Out-of-the-Box Integration

SAP Asset Performance Management: Define Asset Maintenance Strategies

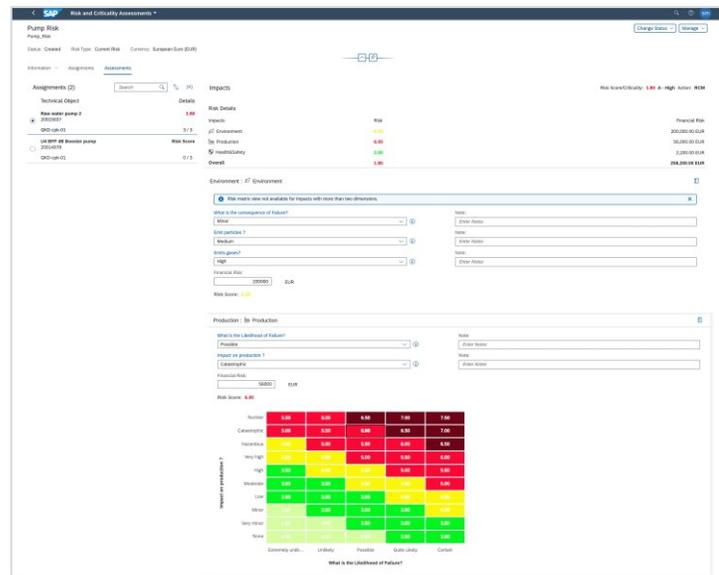




Out-of-the-Box Integration

SAP Asset Performance Management: Define Asset Maintenance Strategies

Risk & Criticality Assessment

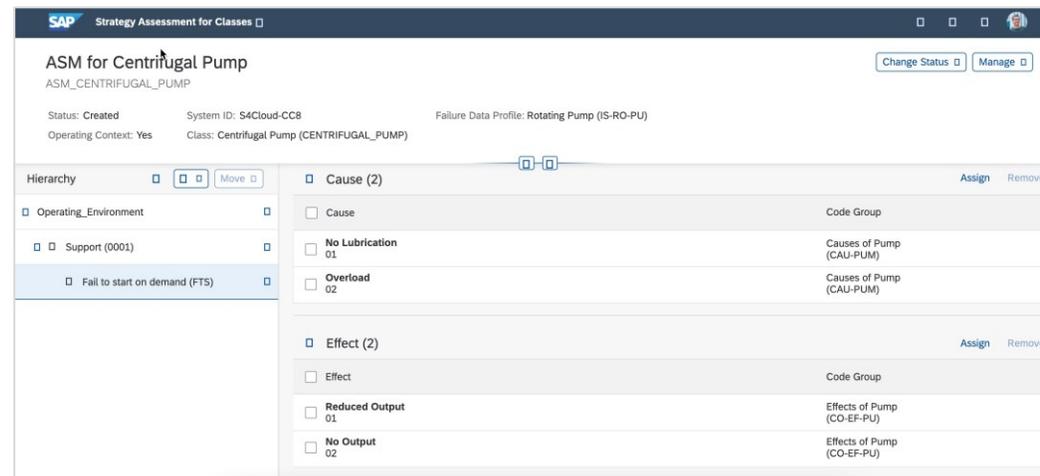


Risk & Criticality Assessment

Segment your Assets based on Risk & Criticality to focus on what matters most

- Out of the box re-use of **aligned master data** and their classification from SAP EAM
- **Classify the risk** of assets by developing a risk and criticality scores calculated based on standard formulars (min, max, average) for different risk impact categories
- Use **alphanumeric risk** matrix to derive the risk score of assets
- Perform assessments on **single** or **multiple** assets
- **Derive actions** and maintenance strategies based on the risk and criticality scores
- Use **custom templates** and criticality thresholds to standardize the risk and criticality calculation

Maintenance Strategy Development by Assessment



Development of failure data

Analyze potential failure and their impact for your assets to develop the right maintenance & service strategy to mitigate the likelihood of happening, or to restore function if acceptable.

- Develop leading **failure data** and maintenance & service recommendations for **asset classes** to **standardize** and **optimize** maintenance & service programs for similar assets
- Use standard **reliability methods** such as RCM, and FMEA to develop the best maintenance & service strategy for your critical assets
- Leverage an **aligned** and **harmonized failure data** model between SAP APM and SAP EAM
- Derive and create **maintenance recommendations** to mitigate the likelihood of failures using **task lists** for reactive, proactive or improvement actions



Out-of-the-Box Integration

SAP Asset Performance Management: Define Asset Maintenance Strategies

Recommendation Management

Valve Insert Removal & Seal Replacement
123456789

Type: Proactive
Subtype: Performance
Status: In Process

Recommendation Details

Description*: Valve Insert Removal & Seal Replacement

Long Description: Valve Insert Removal and Seal Replacement for 200 series of class positive displacement pump and subclass rotary pump, manufactured by XYZ corporation.

Type: Proactive
Subtype: Performance
Cycle: [] []

Maintenance Activity Type: []
Priority: []
Discipline: []
Impact on Business: []

Financial Risk: [] Maintenance Savings: [] Validity: []

Recommendation creation

Manage developed maintenance recommendations to have the right measure defined for review, approval and release for implementation

- Make use of a **recommendation workbench** to manage developed recommendations centrally
- Review, compare and *consolidate** recommendations to derive the best set of recommendations
- Manage the status of recommendations and **approve** and **release** recommendations for **implementation**
- Create** recommendations independently of assessments and **assign failure data** to be addressed if desired
- Copy** or **apply** existing recommendations to other technical objects*
- Analyze **implemented recommendations** to reveal potential misalignment between recommendation and implemented measure*

Recommendation Implementation

Standard

Search: [] Recommendation: [] Type: [] Subtype: [] Technical Object: [] Status: []

Source: [] Assessment: [] Impact on Business: [] Maintenance Activity Type: [] Class: [] Characteristic Value: []

Recommendations (8) Standard

Recommendation	Type	Subtype	Financial Risk	Maintenance Savings	Technical Objects Assigned	Status
Valve Insert Removal and Seal Re... 123456789	PROACTIVE 2	Performance	[]	[]	Kaplan Turbine 101 (10145678) and 7 more	In Process
Recommendation 1 and more info 87438792	PROACTIVE 3	Calendar	[]	[]	Battery pack (VIN87438792) and 10 more	Review
Recommendation 2 and more info 100001041	PROACTIVE 4	Condition	[]	[]	Wiper System (100001041) and 70 more	In Process
Recommendation 3 and more info 217100901	REACTIVE 5		[]	[]	Kaplan Turbine 101 (1045678) details	On Hold
Recommendation 4 and more info 10001569	REACTIVE 6		[]	[]	Schneider Lift (10001569) and 5 more	Consolidated

Recommendation Workbench

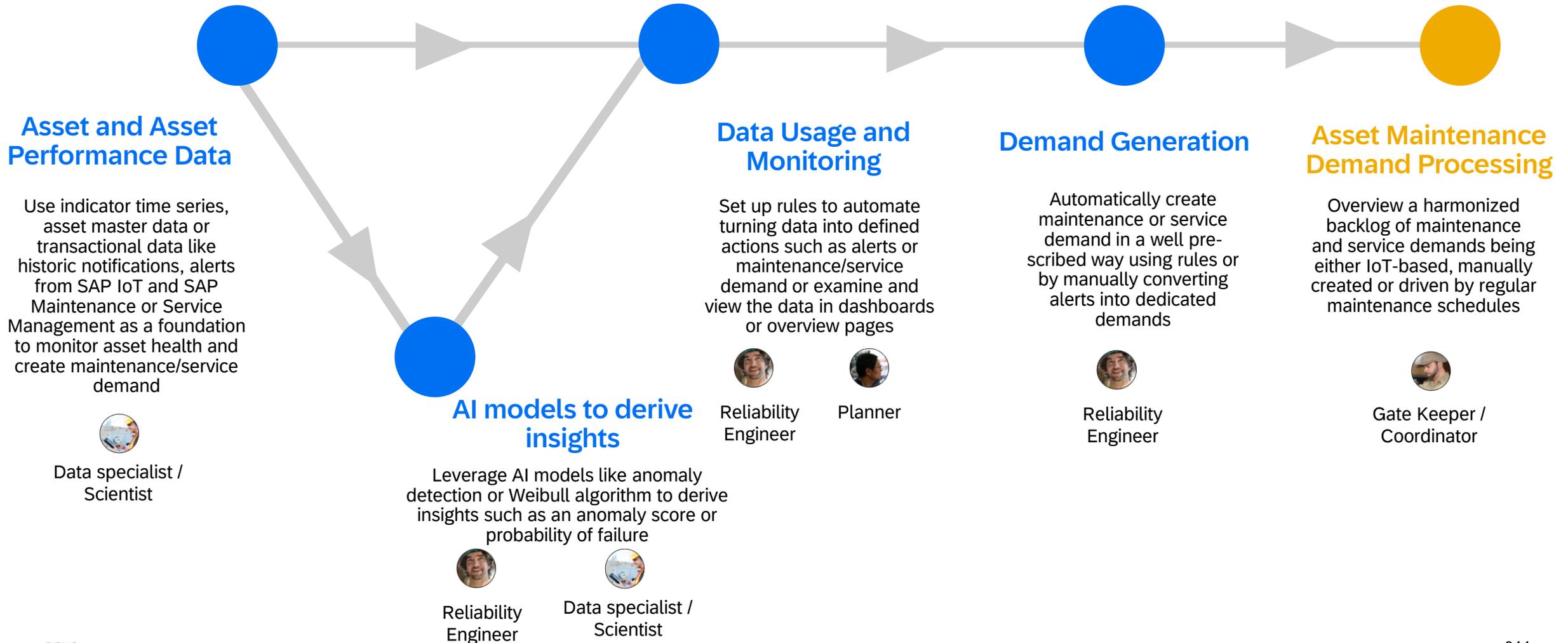
Put developed recommendations into action with the right implementation: from reactive and time-usage based maintenance and service to more condition-based, predictive/prescriptive maintenance and service

- Analyze** and **review** the promoted recommendations to take the **right actions**
- Leverage the **recommendations and their specifics** to transfer them into the relevant **planning objects**** for execution
- Keep track on implemented recommendations by having **connections established between recommendations and planning objects**
- Use **harmonized master data** to **ease the handover** of maintenance & service recommendations into planning objects for execution



Out-of-the-Box Integration

SAP Asset Performance Management: Monitor Asset Health and Maintenance Demand

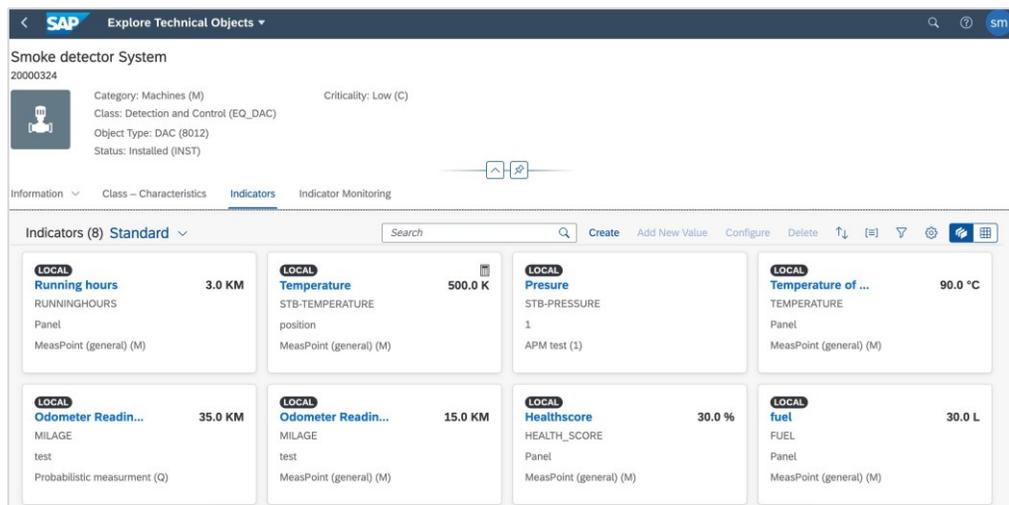




Out-of-the-Box Integration

SAP Asset Performance Management: Monitor Asset Health and Maintenance Demand

Asset and Asset Performance Data

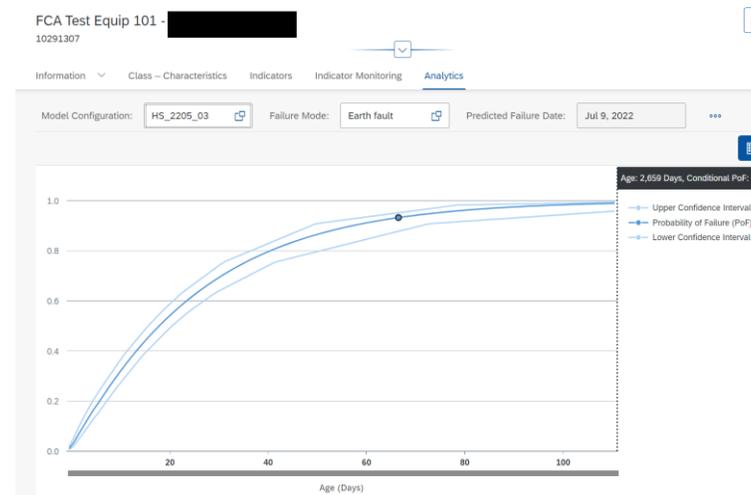


Indicator Overview

Use asset master data or transactional data and set up a connectivity to IoT to receive time series data, or events for health monitoring and demand generation

- Out of the box re-use of **aligned asset master data** including measuring points, counters and characteristics between APM and EAM
- Set up **indicators for your assets** and configure thresholds and value ranges
- Establish a **connection with IoT to receive time series** data for your assets
- Incorporate transactional data like **historic maintenance/service notifications from maintenance/service management** or **machine alerts from IoT**

AI Models to Derive Insights



Technical Object Page > Analytics > Failure Curve

Put developed recommendations into action with the right implementation: from reactive and time-/usage based maintenance and service to more condition-based, predictive/prescriptive maintenance and service

- Use **out of the box models** like **anomaly detection** or **Weibull algorithm** to process raw data
- Derive data like **anomaly score** or **probability of failure***
- Incorporate custom AI/ML algorithms or models* for asset health prediction
- Calculate an **indicator forecast to show trends** of indicator values
- Store derived data against the asset indicators to gain and provide deeper insights into the asset health

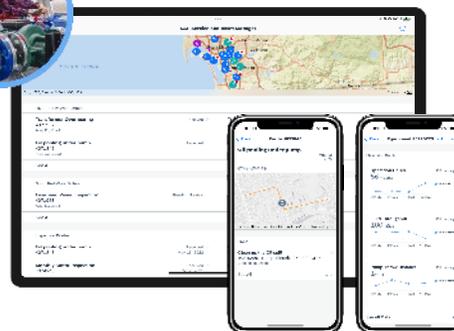


Out-of-the-Box Integration SAP Service and Asset Manager: Overview

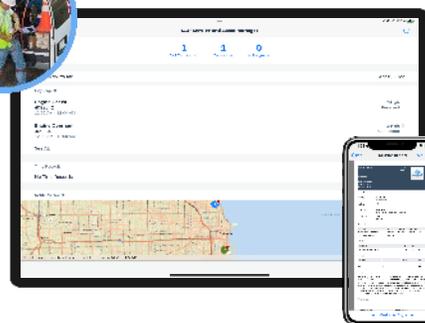


Cloud-based solution to transform enterprise business processes on a mobile experience

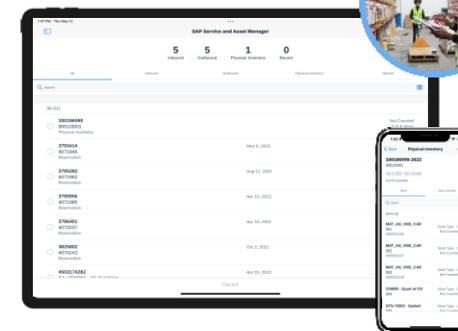
- **Mobile-enabled processes integrated with SAP enterprise systems** enable easy and timely execution on the go.
 - **Maintenance component** for technicians who maintain and service enterprise assets
 - **Service component** for field service technicians out on the field that need to follow a guided workflow and complete customer service
 - **Inventory management** component for clerks who need mobile support in goods movements and stock management
 - **Work clearance management** component that leverages an integrated mobile process to communicate pertinent safety risks and control the maintenance work being performed
- **Ready-to-use, extensible iOS, Android and Windows app integrated with native mobile features and services.** Enables the worker to be more productive and take advantage of the mobile technologies to perform their job
- **Easy configuration**, in a cloud-based platform by leveraging SAP Business Technology Platform Mobile Services and the mobile development kit editor, providing **online and offline access** to context-rich visualizations and actionable asset insights



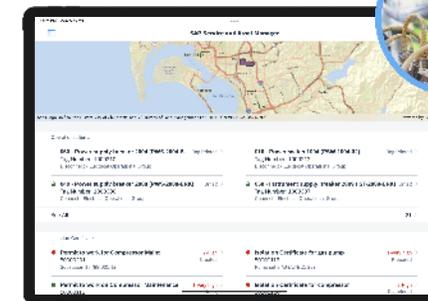
Maintenance Technician



Service Technician



Inventory Clerk

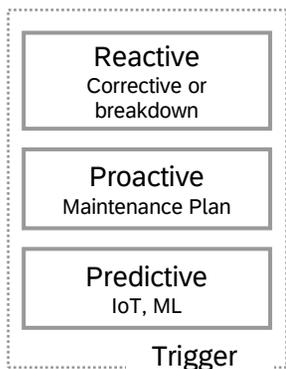


Safety Engineer



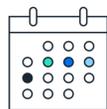
Out-of-the-Box Integration

SAP Service and Asset Manager: Maintenance Technician persona



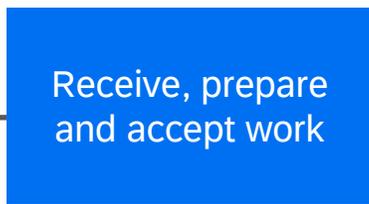
Maintenance Technician

Process on Service and Asset Manager

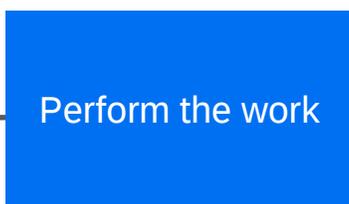


Maintenance planner

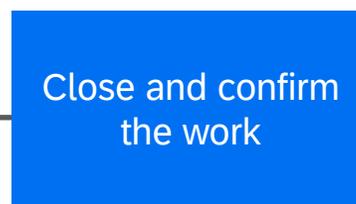
Process on S/4HANA



- Notifications
- Work orders
- Inspection rounds
- Spare Parts
PRT
Materials Management
- GIS & Map visualization



- Operations
- Measurement readings
- Attachments
- Damage catalogs
- Checklists



- Time recording
- Material consumption
- Digital signature
- Follow-up actions
- Work order and notification completion



Maintenance back office

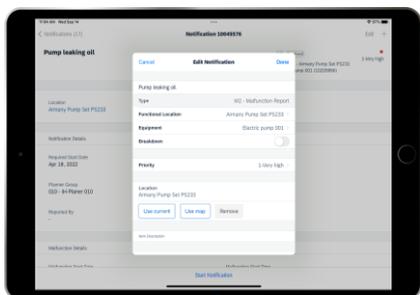
Process in S/4HANA



Out-of-the-Box Integration

SAP Service and Asset Manager: Maintenance Technician persona

Demand Processing

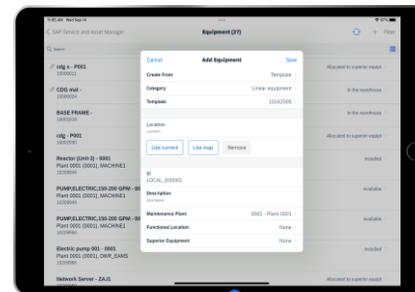


- Change and confirm notification details
- Add items, tasks, activity notes and reminders
- Add documents and images
- Breakdown, malfunction start/end
- Create notifications from equipment, functional location, work order, operation and sub-operation levels
- Access and capture damage code information
- Create follow-on notifications



- Create, change and confirm order details
- Inspection rounds – consolidated entry form and filter
- View operations and work instructions
- View and add serialized and non serialized spare parts
- Goods issue and returns
- Capture signature and update system and user status
- Clock-in/Clock-out for simultaneous work order execution
- Time/PM confirmations and expense management
- EAM Checklist support

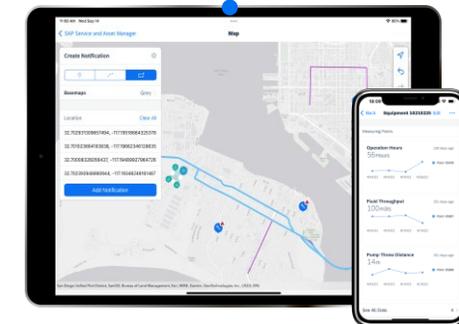
Equipment and Functional Location



- Hierarch view and search control
- Equipment warranties and bill of materials
- Create equipment and functional location from templates
- Install and dismantle
- Measurement points: quick single entry, multiple readings
- work order history and related notifications
- View/edit characteristics, classifications and linear data
- View/add documents
- 3D asset visualizations and work instructions

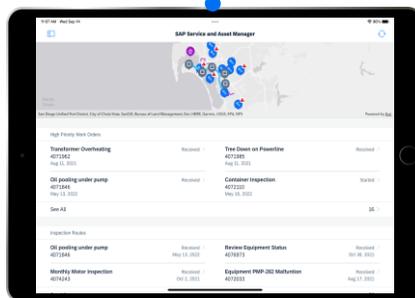


- Optimized persona user experience
- SAP Fiori design for iOS, Android and Windows
- Offline data capture and auto-sync configuration
- Leverage native device peripherals (camera, GPS, etc.)
- Mobile push notification support
- Dynamic extensibility with MDK / SDK
- Geospatial capabilities, ESRI and SAP spatial integration
- DMS support both SAP and 3rd party
- Industry components part of the core app



Usability

Work Execution and Data Capture



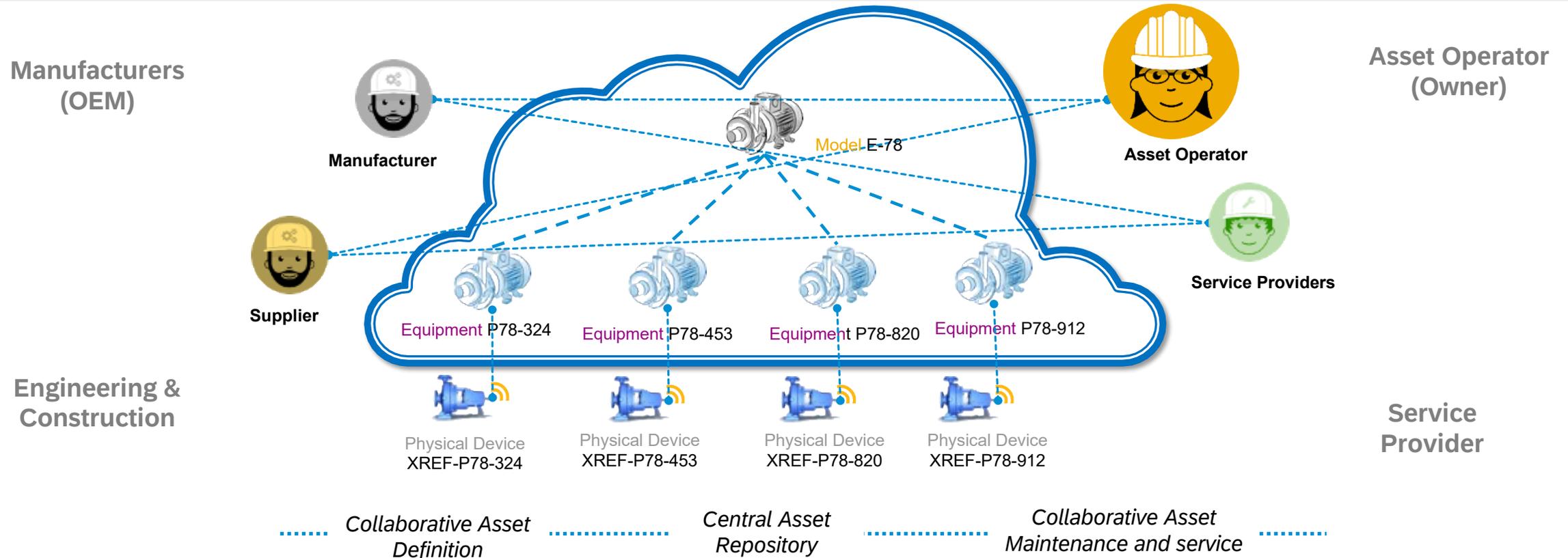


Out-of-the-Box Integration

SAP Business Network Asset Collaboration: Overview

All business partners on a single platform

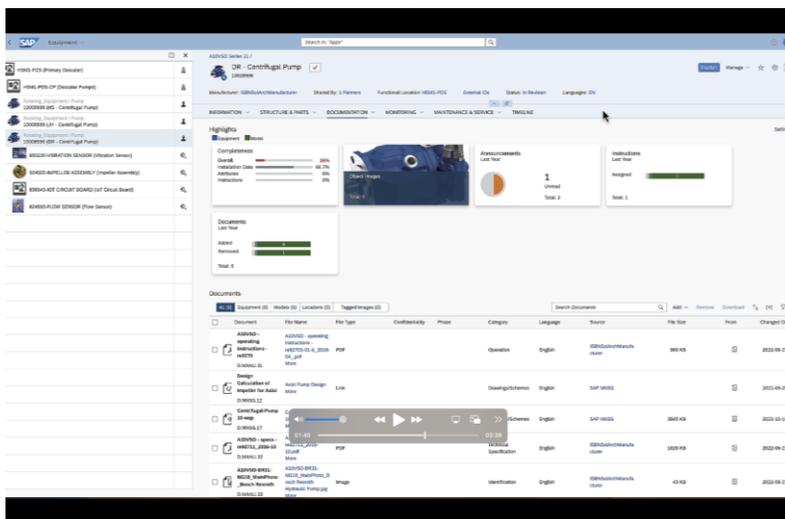
A digital platform for collaboration on equipment definition and maintenance processes. It enables business partners to collaborate on a common digital twin across asset life-cycle, resulting in better asset performance, operational costs reduction, and safer operations



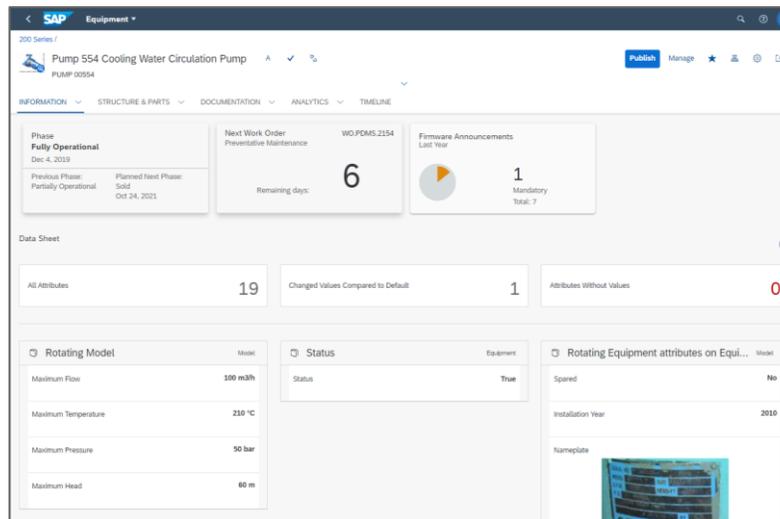


Out-of-the-Box Integration SAP Business Network Asset Collaboration: Capabilities

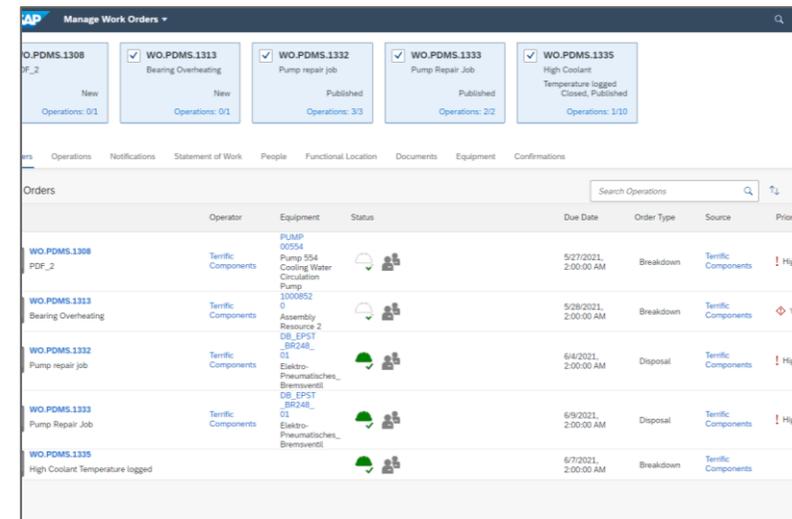
Central Asset Repository



Collaborative Asset Definition



Collaborative Maintenance and Service



- Improved efficiency: a centralized asset repository can make it easier for teams to find and access the assets they need, reducing the amount of time spent searching for files and increasing productivity.
- Consistency and standardization: by ensuring that all assets are stored in a centralized location, companies can ensure that all teams are using the same assets, reducing the risk of inconsistency and errors.
- Better collaboration: a centralized asset repository can facilitate collaboration between teams, allowing them to share and work on assets together, regardless of location.
- Increased visibility and control: by storing assets in a centralized repository, companies can better control who has access to information and get a better visibility of the assets.

- Sharing of common asset information between asset manufacturers, service providers, and asset owners, supporting faster and better decisions
- Faster and more efficient way to hand over asset data to operations, reduce the data maintenance effort and speed up the commissioning of equipment
- Establishment of synergies between manufacturers and suppliers through one channel to many customers, creating new business models, increasing service efficiency, and improving customer retention

- Gain greater efficiency of, visibility into, and control over contractor and commercial readiness.
- Support more effective maintenance planning and execution processes carried out by external parties.
- Connect asset operators and service providers in one portal to plan, dispatch, and execute maintenance activities.
- Standardize maintenance processes across business units, service providers, and original equipment manufacturers.



Out-of-the-Box Integration

Maintenance, Repair and Operations (MRO) with SAP Integrated Business Planning (IBP)

Maintenance parts & resource long- / mid-term planning

Evolve from reactive inventory consumption planning to maintenance-driven parts planning

Moving from reactive planning to preventive planning, avoiding costly asset downtime.

Improve visibility & exception management

Bring together insights from reactive, corrective and preventive demand streams as well as financial data.

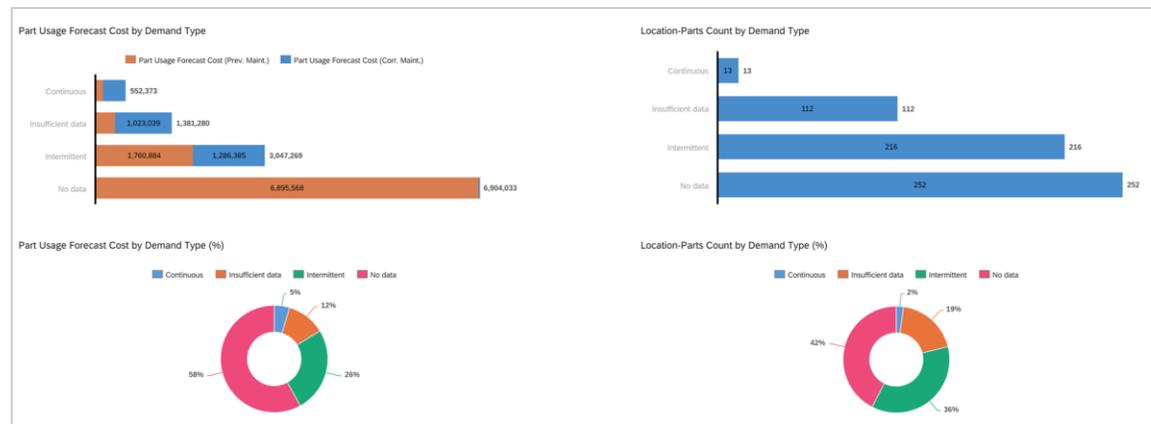
Include labor plans

Insights into cost and availability of the labor needed to perform the maintenance.

Reduce working capital

Avoid overstocking while at the same time keeping parts availability high.

The screenshot displays the SAP Planner Workspace interface. On the left, a list of 'Spares Negative Projected Stock Alert' is shown with columns for Key Figure 1, Value 1, Severity, and Subscription. Alerts include 'Projected Stock' for various components like 6015 and 6016, with values ranging from -2.00 EA to -1.00 EA. On the right, a table titled 'Projected Stock of Spare Parts' shows data for various components (e.g., HOSENONMNTL, SWITCHPRESS, WASHERFLAT, GASKET, BOLT) across different weeks (2020 CW48 to 2020 CW51). The table includes columns for 'Key Figures' such as Spare Parts Demand (Com...), Adjusted Transport Receipts, Stock on Hand, and Projected Stock.





Out-of-the-Box Integration Visual Asset Management with 3D Visual Enterprise

The solution portfolio enables companies to:

- Digitally transform and simplify the User Experience (UX) by accessing information visually.
- Leverage visualizations as the oldest and most natural form of communication to provide “In Context” visual learning and retention of product and asset information.
- Connect 2D & 3D Computer Aided Design (CAD) data with ERP and master data from design, procurement, supply chain, manufacturing, quality, asset operations and service to deliver a Model Based Enterprise.

Resulting in:

- Empowered people, that are engaged and motivated be more productive with next generation visual on-premise and cloud applications.
- Reduction in time to make key business decisions by providing access and visibility to business data, insights and actions via a 3D visual index.
- Value measured in hours leveraging secure role-based visual application templates.
- Improved training, manufacturing execution, service and first-time fix rates of critical assets.

SAP 3D Visual Enterprise Generator: An automation engine for CAD conversion, business data integration and storage in SAP S/4HANA, and or SAP Enterprise Product Development-Visualization

SAP 3D Visual Enterprise Author: A desktop authoring product to create animations, renderings and other added-value authored content.



SAP 3D Visual Enterprise Viewer: A programmable interactive viewing component for desktop and SDK for mobile.

Visual Interaction toolkit for SAPUI5: A programmable interactive viewing component for browser-baser HTML5 applications



Compatibility Packs in Asset Management

CP ID 114: Asset management for oil & gas

- Alternative option: SAP S/4HANA for field equipment and material logistics planning and execution (material codes: cloud private edition 8014314 or on-premise 7020925)

CP ID 115: SAP Multiresource Scheduling

- Alternative option: SAP S/4HANA for Asset Management for resource scheduling, private cloud edition (material code 8011130)
- SAP MRS can be used in perpetual scope beyond 2025 under the SAP S/4HANA Asset Management for resource scheduling (RSH) license. Depending on how the customer is using SAP MRS today, the new SAP Offerings i. SAP S/4HANA Asset Management for resource Scheduling ii. SAP FSM iii. SAP S/4HANA Cloud for resource management can address the requirements and offer new capabilities

CP ID 116: SAP Multiresource Scheduling with Optimizer

- SAP MRS can be used in perpetual scope beyond 2025 under the SAP S/4HANA Asset Management for resource scheduling (RSH) license. **However, the optimizer will not be provided.**

CP ID 442: LIS in Enterprise Asset Management - Maintenance Planning and Scheduling

- Alternative option: Analytical Fiori apps: Breakdown Analysis, Damage Analysis, Actual Cost Analysis. Available CDS views & BW extractors can be used to replace LIS. Planned: Fiori app for "Planned Maintenance Costs": For further details see SAP Roadmaps.
- Business impact note: [2268085](#)
- Simplification item: [2267463 - S4TWL - LIS in EAM](#)

Manufacturing



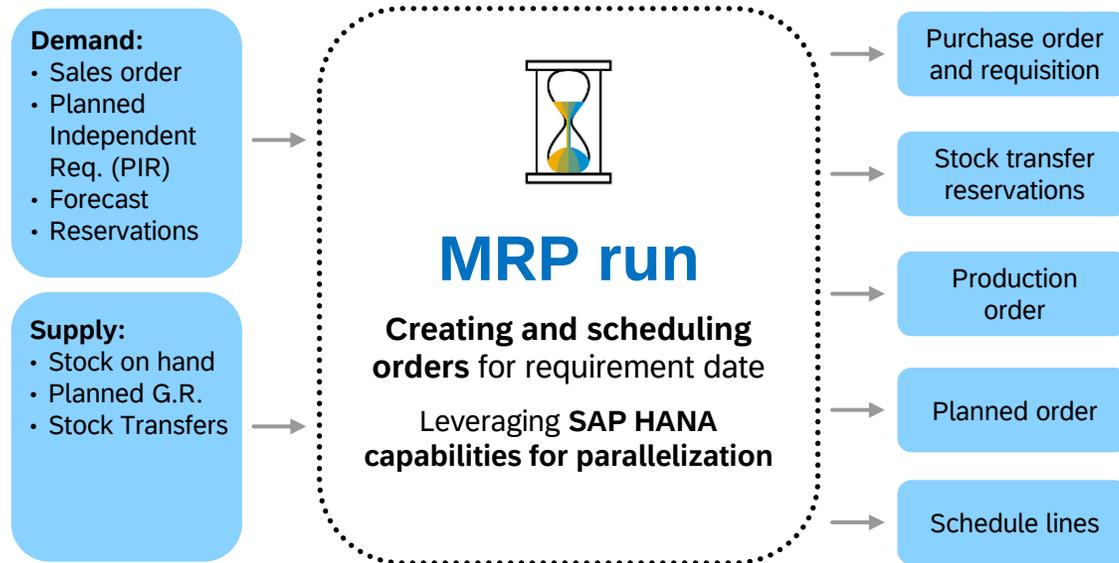


SAP Cloud ERP Private differentiators

SAP HANA and Embedded Analytics



SAP HANA and Real-time Analytics MRP live



MRP optimized for SAP HANA database:

- Basic functions available for **ERP on HANA**, complete solution only with **SAP S/4HANA**.
- **Significant performance improvements** (10-100 times faster, with less data load)
- **Shorter planning cycles** (multiple times a day)
- **Up-to-date supply and demand information** on which to base decisions
- **Matching demand and supply** more efficiently than was previously possible
- Improvements for **cross-plant planning**
- Foundation for **simulative** planning runs predictive MRP

[Link to documentation](#)



SAP HANA and Real-time Analytics

Production Engineering

- Change Requests and Activities - Detailed Analysis
- Change Requests Dashboard
- Change Activities Dashboard

Production Planning and Operations

- Operation Scrap
- Material Scrap
- Excess Component Consumption
- Production Execution Duration
- Scrap Reasons
- Manage Work Center Capacity
- Kanban Control Cycle Analysis
- Monitor JIS Calls
- Monitor Assembly Sequence - IPPE
- Monitor Assembly Sequence - Repetitive Manufacturing
- Product Projected Stock Overview Chart
- Demand Analysis of Customer JIT Calls
- Monitor Customer JIT Calls Components
- Overview of JIT Supply To Customer
- Monitor Customer JIT Calls - Component Groups
- Advanced Scheduling Board

Quality Management

- Quality Engineer Overview
- Quality Technician Overview
- Inspection Lot Analytics
- Inspection Lot Detailed Analytics
- Characteristic Detailed Analytics
- Characteristic Analytics
- Nonconformance Detailed Analytics
- Nonconformance Analytics

Environment, Health & Safety

- Risk Overview
- Injuries and Illnesses - Detailed Analysis
- Chemical Risks - Detailed Analysis
- Approved Chemicals
- Incidents - Detailed Analysis
- Chemical Inventory Reporting
- DART Rate
- Incident Rate
- Number of Recordable Cases
- Injury/Illness Log - Detailed Analysis
- Extract Data for SARA 312 Reports
- Analyze SARA-Relevant Stock Details
- Emission Forecast
- Compliance Analysis
- Workplace Safety Overview



SAP Cloud ERP Private differentiators

Data Products and Intelligent Applications



Data products - Manufacturing

Explore a range of data products within Business Data Cloud designed to help businesses manage, analyze, and leverage their data.

These products include curated datasets, data integration tools, and analytical applications, all of which aim to enable data-driven decision-making.

[Available data products](#)

 Data Product Manufacturing Codes Data Product Manufacturing Codes Version 1.1.1 ACTIVE	 Data Product Production Version Data Product Production Version Version 1.0.1 ACTIVE	 Data Product Work Center Data Product Work Center Version 1.0.0 ACTIVE	 Data Product Enterprise Resource Capacity Data Product Enterprise Resource Capacity Version 1.0.0 ACTIVE
 Data Product Production Order Confirmation Data Product Production Order Confirmation Version 1.0.1 ACTIVE	 Data Product Production Order Data Product Production Order Version 1.0.1 ACTIVE	 Data Product Production Routing Data Product Production Routing Version 1.0.1 ACTIVE	



Data products – Environment, Health and Safety

Explore a range of data products within Business Data Cloud designed to help businesses manage, analyze, and leverage their data.

These products include curated datasets, data integration tools, and analytical applications, all of which aim to enable data-driven decision-making.

[Available data products](#)

 Data Product Environment and Health and Safety Data Collection Data Product Environment and Health and Safety Data Collection Version 1.0.0 ACTIVE	 Data Product Environment and Health and Safety Location Aggregation Data Product Environment and Health and Safety Location Aggregation Version 1.0.0 ACTIVE	 Data Product Chemical Compliance Information Data Product Chemical Compliance Information Version 1.0.0 ACTIVE	 Data Product Listed Substance Element Data Product Listed Substance Element Version 1.0.0 ACTIVE
 Data Product Environment and Health and Safety Location Data Product Environment and Health and Safety Location Version 1.0.0 ACTIVE	 Data Product Environment and Health and Safety Sampling Definition Data Product Environment and Health and Safety Sampling Definition Version 1.0.0 ACTIVE	 Data Product Environment and Health and Safety Calculation Definition Data Product Environment and Health and Safety Calculation Definition Version 1.0.0 ACTIVE	 Data Product Environment and Health and Safety Data Amount Data Product Environment and Health and Safety Data Amount Version 1.0.0 ACTIVE
 Data Product Environment Management Codes Data Product Environment Management Codes Version 1.0.0 ACTIVE			



SAP Cloud ERP Private differentiators

SAP Fiori



SAP Fiori

Create Manufacturing BOM from Engineering BOM with PEO

Prepare MBOM Creation

- prepare data for the EBOM-to-MBOM handover
- Specify the EBOM and production information based on engineering snapshots.
- Select the engineering snapshot
- Identify the EBOM versions
- View the 3D model
- Select change record (new or existing change record)

The screenshot shows the SAP Fiori 'Prepare MBOM Creation' application. At the top, there is a header with the SAP logo, 'Snapshot', and a search bar. Below the header, a large number '1' indicates the current step. The main content area is divided into two sections: 'Engineering BOM' and 'Assigned Change Records'. The 'Engineering BOM' section contains a table with the following data:

Material	Plant
<input type="radio"/> Bracket_Pump (0600-100-001-01) Alternative BOM: 1 BOM Usage: Engineering/Design Versioned (E) BOM Version: 0001 BOM Version Status: Released (99)	D130 A&D Plant (D130)
<input type="radio"/> Fastener_X190_32 (0600-100-001-06) Alternative BOM: 1 BOM Usage: Engineering/Design Versioned (E) BOM Version: 0001 BOM Version Status: Released (99)	D130 A&D Plant (D130)
<input type="radio"/> Fastener_SBB (0600-100-001-10)	D130 A&D Plant (D130)

To the right of the table is a '3D Visual Details' view showing a 3D model of a mechanical assembly with various components highlighted in blue and purple. The interface includes navigation and search icons throughout.

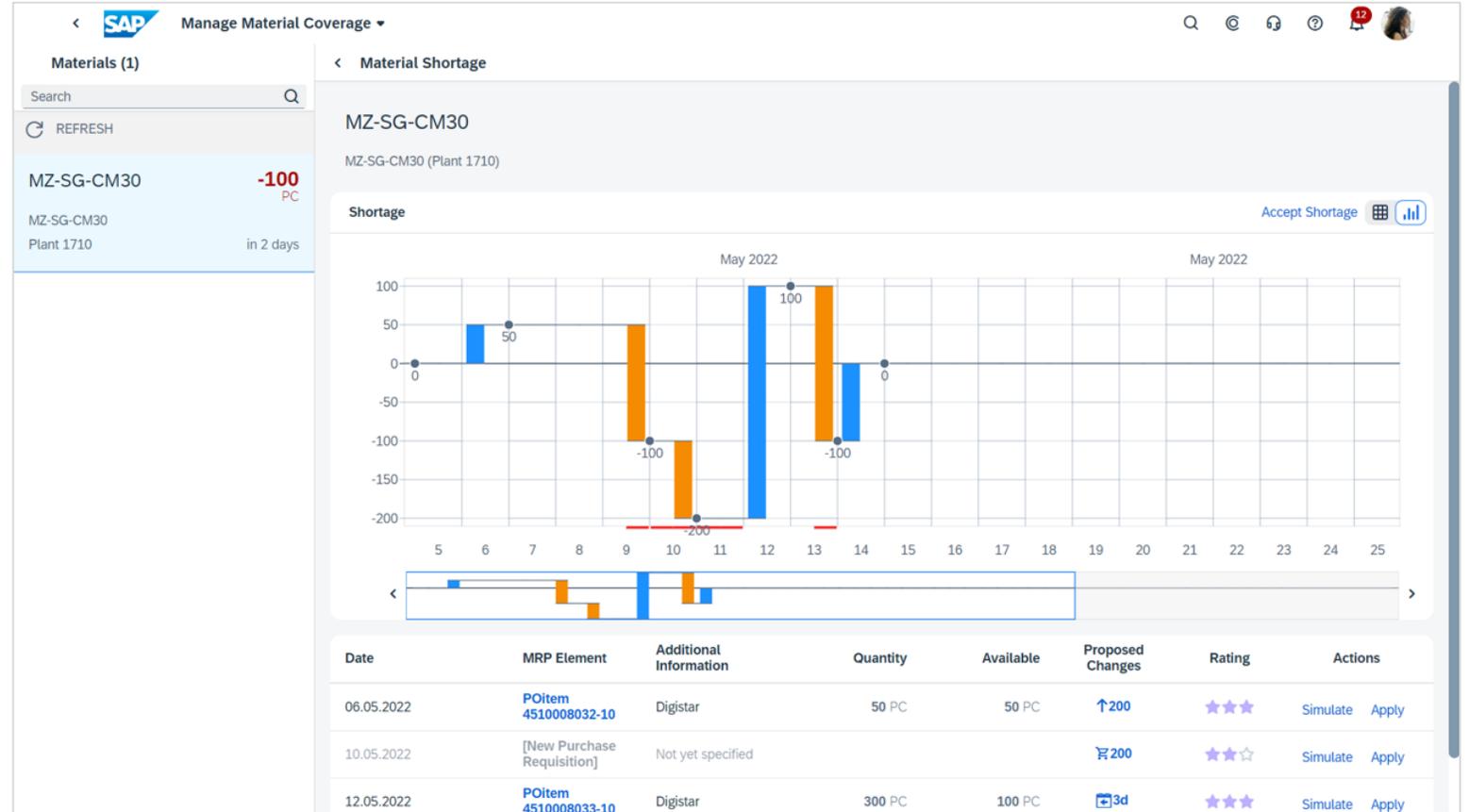
[Link to documentation](#)



SAP Fiori Manage Material Coverage

Manage Material Coverage

- Stock / Requirements Situation (former MD04)
- Visualization of MRP elements
- List view / graphical view
- Simulations / Proposals / Actions



[Link to documentation](#)

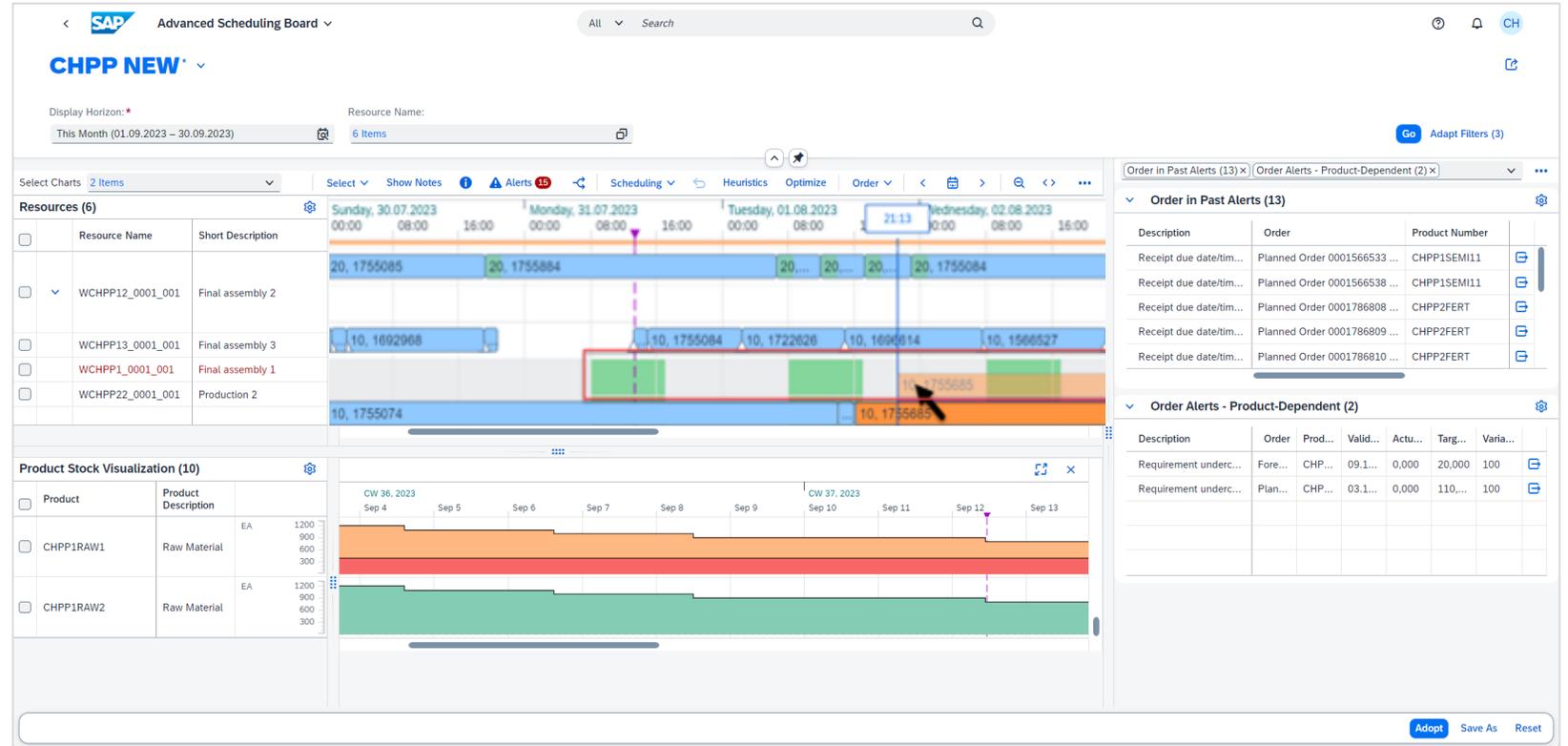


SAP Fiori

Advanced Scheduling Board in extended Planning and Scheduling (ePPDS)

Advanced Scheduling Board

- Resource availability
- Work center capacity
 - After dragging an operation with left mouse button, calendar areas of alternative resources are highlighted in green color
- Operations dependency
- Stock visibility
- Alert management



[Link to documentation](#)



SAP Fiori

Advanced Scheduling Board in extended Planning and Scheduling (ePPDS)

New monitoring, alerting and analytics with Advanced Scheduling Board

- Calculation and presentation of KPIs
- Graphical visualization of KPIs based on the modern UI technology
- Flexible combination of KPIs in a dashboards
- New data extraction based on Live Cache CDS view technology
- Provide standardizes interface for PP/DS data extraction (succession of PP/DS BW extractors)
- Visualization content delivered in SAP Analytics Cloud

The screenshot displays the SAP Fiori Advanced Scheduling Board interface. At the top, it shows the SAP logo, 'Advanced Scheduling Board', and 'Planning Version: 000'. Below this, there are filters for 'Display Horizon' (01.01.2024 - 31.12.2024) and 'Resource Name' (Vessel 001 (WRCHAND10_0001_001) x 6 more). The main area is divided into three sections: 'Resources (7)', 'Products (168)', and a right-hand panel for 'Alerts'. The 'Resources' section shows a Gantt chart for 'Vessel 001' with a 'Downtime' block. The 'Products' section shows a list of products like 0456FERT and 0746FERT. The right-hand panel shows two alert categories: 'Order in Past Alerts (423)' and 'Order Alerts - Product-Dependent (2)'. The 'Order in Past Alerts' table includes columns for Description, Order, Product Number, Spot Date Time, Delay in Days, and Actual Quantity.

Description	Order	Product Number	Spot Date Time	Delay in Days	Actual Quantity
Receipt due date/tim...	Planned Orde...	UM_T_165	19.07.2024, 2...	39,61	8.000,000
Receipt due date/tim...	Planned Orde...	4140FERT	24.07.2024, 1...	35,09	25,000
Receipt due date/tim...	Planned Orde...	4140FERT	17.07.2024, 1...	42,05	12,000
Receipt due date/tim...	Planned Orde...	4817FERT	24.07.2024, 1...	35,09	25,000
Receipt due date/tim...	Planned Orde...	4817FERT	17.07.2024, 1...	42,05	12,000

[Link to documentation](#)

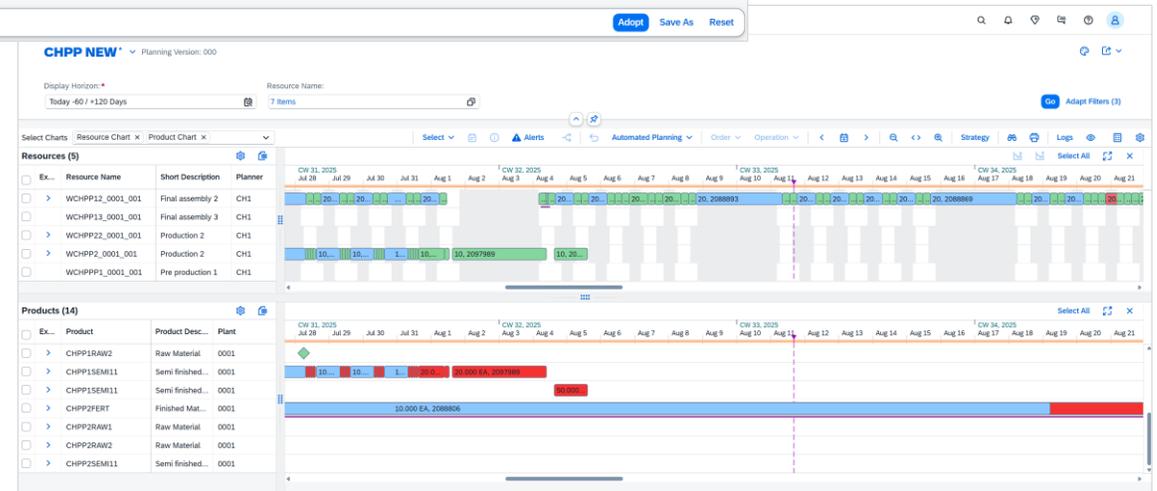
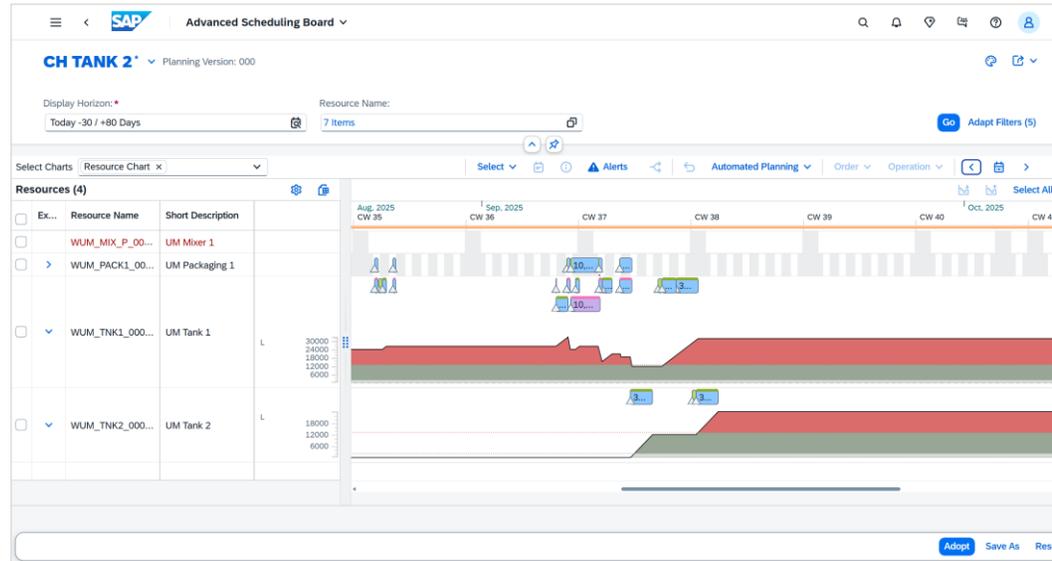


SAP Fiori

Advanced Scheduling Board in extended Planning and Scheduling (ePPDS)

Improved support of tank planning processes within Advanced Scheduling Board

- Display of detailed fill-level information on storage tanks within the resource chart of Advanced Scheduling Board
- Color of graphical order- and operation shapes can be configured based on business context
- New App: Adjust Fill Levels



[Link to documentation](#)



SAP Fiori Manage Production Orders

Manage Production Order

- my Area of Responsibility
- Manage Order Status
- Order Information
- Component availability
- Order Schedule
- Confirmations
- Inspections
- Settlement

The screenshot shows the SAP Fiori 'Manage Production Orders' application. At the top, there's a navigation bar with the SAP logo, the title 'Manage Production Orders', and a search bar. Below the navigation bar, there are filter options for Status (Delivered x 6 More), Issue Type (No Filter x), Delay Duration (>= 0 Hours), Order, and Material. A 'Go' button and 'Adapt Filters (3)' are also visible. The main content area displays a table of production orders.

Order	Material	Open Quantity	Status	Start	End	Progress of Operation	Issues
1065521	MZ-FG-E108 eBike E108 Professional	30 PC	Delivered	Wed, Aug 30, 2023 03:45	Wed, Aug 30, 2023 03:45	Final Acceptance (0020) 45 of 150	[Icons]
1065495	MZ-FG-E108 eBike E108 Professional	29 PC	Delivered	Tue, Aug 29, 2023 03:45	Tue, Aug 29, 2023 03:45	Final Acceptance (0020) 15 of 145	[Icons]
1065510	MZ-FG-26XR1 26" In-Home Exercise Bike	0 PC	Delivered	Tue, Aug 29, 2023 15:32	Tue, Aug 29, 2023 15:32	Final Acceptance (0020) 9 of 9	[Icons]
1065508	MZ-FG-R300 Racing Bike R300	0 PC	Delivered	Tue, Aug 29, 2023 15:32	Tue, Aug 29, 2023 15:32	Final Acceptance (0020) 12 of 12	[Icons]
1065499	MZ-FG-26XR1 26" In-Home Exercise Bike	0 PC	Delivered	Tue, Aug 29, 2023 15:17	Tue, Aug 29, 2023 15:17	Final Acceptance (0020) 69 of 69	[Icons]

[Link to documentation](#)



SAP Fiori Check Optimization Log

Check Optimization Log

- Enables viewing comprehensive details about optimization runs, including status indicators, runtime metrics, and detailed sub-logs covering input parameters, location products, results, costs, and solution quality metrics.

Check Optimization Logs

20250205_161156_2587815792

Optimizer Log Properties
 Start Date Time: 05.02.2025, 16:11:56
 User Name: Uwe Müller (MUWE)

Delays Fixings Delay: Resources Delay: Products Deallocations Solutions Partial Solutions Reschedulings - Result

Delays (33)

Order Number	Operation	Category	Required Date Time	Planned Date Time	Delay	Explanation
1815176	0010	PIOrd.	06.02.2025, 23:59:59	25.02.2025, 13:40:00	18, 13:40:01	Demand
1815168	0010	PIOrd.	07.02.2025, 23:59:59	20.02.2025, 12:05:34	12, 12:05:35	Demand
1815161	0010	PIOrd.	07.02.2025, 23:59:59	20.02.2025, 09:18:54	12, 09:18:55	Demand
1815176	0010	PIOrd.	13.02.2025, 23:59:59	25.02.2025, 13:40:00	11, 13:40:01	Demand
1815167	0010	PIOrd.	07.02.2025, 23:59:59	19.02.2025, 11:37:47	11, 11:37:48	Demand
1815191	0010	PIOrd.	13.02.2025, 23:59:59	24.02.2025, 16:08:55	10, 16:08:56	Demand
616605	0010	PIOrd.	06.02.2025, 23:59:59	17.02.2025, 14:32:16	10, 14:32:17	Demand
616622	0010	PIOrd.	07.02.2025, 23:59:59	18.02.2025, 13:40:00	10, 13:40:01	Demand
616610	0010	PIOrd.	04.02.2025, 23:59:59	15.02.2025, 10:40:02	10, 10:40:03	Demand
616617	0010	PIOrd.	06.02.2025, 23:59:59	17.02.2025, 10:38:56	10, 10:38:57	Demand

More
[10 / 33]

Fixings

1815176

Explanation: Demand

Delay

Delay (2)

Explanation

Delay due to capacity conflict

Earliest start date due to start date of optimized plan



SAP Fiori Monitor Receipts

Monitor Receipts

- Lists all receipt elements with key properties like planning version, planning segment, location, product, quantities, dates, ATP status, alerts, KPIs (like multi-level time buffers) and supports simulation sessions that can be merged or discarded.

The screenshot shows the SAP Fiori 'Monitor Receipts' application. At the top, there is a search bar and navigation icons. Below that, there are filter fields for 'MSE', 'Planning Version' (000), 'Planning Horizon' (Last 4 Weeks), 'Product' (MSE_*), 'Location' (0001), and 'PP/DS Alert Profile' (Michaels Alerts (MSE)). A 'Go' button and 'Adapt Filters (5)' are also visible.

The main content area displays a table titled 'Receipts (8)'. The table has the following columns: Availability Date/Time, Category Name, Receipt Element, Receipt Quantity, Confirmed Quantity, Product, Location, Source Location, and Sub. The data rows are as follows:

Availability Date/Time	Category Name	Receipt Element	Receipt Quantity	Confirmed Quantity	Product	Location	Source Location	Sub
19.01.2025, 23:00:00	PurRqs	18342726/000010	12.599,833 KG	0,000 KG	Raw chips (MSE_CHIPS_RAW)	Plant 0001 (0001)		>
19.01.2025, 23:34:24	PIOrd.	2815766	172 EA	0 EA	200g Bag of Fried Chips (MSE_CHIPS_BAG200)	Plant 0001 (0001)	Plant 0001 (0001)	>
31.01.2025, 22:59:59	PIOrd.	2815754	12.599,833 KG	0,000 KG	Fried chips (MSE_CHIPS_FRIED)	Plant 0001 (0001)	Plant 0001 (0001)	>
31.01.2025, 23:00:00	PurRqs	18342727/000010	25.199,667 KG	0,000 KG	Raw chips (MSE_CHIPS_RAW)	Plant 0001 (0001)		>
03.02.2025, 00:20:00	PIOrd.	2815765	400 EA	0 EA	200g Bag of Fried Chips (MSE_CHIPS_BAG200)	Plant 0001 (0001)	Plant 0001 (0001)	>
17.02.2025, 14:02:35	Stock	/0001/CC	250 EA	250 EA	Test Material for Forecast Consumption (MSE_...	Plant 0001 (0001)		000 >
17.02.2025, 14:02:35	Stock	/0001/CC	100 EA	100 EA	Material used in Substitution Scenario (MSE_S...	Plant 0001 (0001)		000 >
28.02.2025, 22:59:59	PIOrd.	2815744	25.199,667 KG	0,000 KG	Fried chips (MSE_CHIPS_FRIED)	Plant 0001 (0001)	Plant 0001 (0001)	>

[Link to documentation](#)



SAP Fiori Manage Production Models - Materials

Manage Production Models - Materials

- Maintain production models for single-level, non-unitized materials. The production model provides a joint view of the manufacturing bill of material (MBOM) and the shop floor routing to facilitate hand-in-hand definition of the MBOM and shop floor production steps, supported by a 3D visual of the header material of the BOM, if available.

The screenshot displays the SAP Fiori 'Material Production Model' interface for 'Air Intake Assembly (0001-001-DSM-780-INTAKE_ASM)'. The interface is divided into two main sections: 'BOM Components' and 'Production Steps'.

BOM Components Table:

Item Number	Item Category	Com...	Component Description	Quantity	Op. Acti...	Operation	Assignment Status	MRS Designator
0010	Stock item (L)	0001-001-	Inlet Funnel	1 EA	OA10	0010	1/1 EA	
0020	Stock item (L)	0001-001-	Carb Flap	1 EA	OA10	0010	1/1 EA	
0030	Stock item (L)	0001-001-	Rubber Ring	1 EA	OA10	0010	1/1 EA	
0040	Stock item (L)	0001-001-	Throttle Body	1 EA	OA10	0010	1/1 EA	
0050	Stock item (L)	0001-001-	Ring Flange Gasket	1 EA	OA10	0010	1/1 EA	
0060	Stock item (L)	0001-001-	HEX Head Flange Bolts	4 EA	OA20	0010	4/4 EA	
0070	Stock item (L)	0001-001-	Upper Part Airbox sub-assembly	1 EA	OA20	0010	1/1 EA	
0080	Stock item (L)	0001-001-	Lower Airbox sub-assembly with filter	1 EA	OA10	0020	1/1 EA	
0090	Stock item (L)	0001-001-	Exhaust HDR Pipe	4 EA	OA10	0020	4/4 EA	
0100	Stock item (L)	0001-001-	Hex Flange Bolt M6X12	16 EA	OA20	0020	16/16 EA	
0110	Stock item (L)	0001-001-	Gasket for Air Intake	4 EA	OA10	0030	4/4 EA	
0120	Stock item (L)	0001-001-	Locking	1 EA	OA20	0030	1/1 EA	
0130	Stock item (L)	EW-COMP	EW component 1	1 EA	OA10	0030	1/1 EA	
0140	Stock item (L)	EW-COMP	EW component 1	1 EA	OA10	0030	1/1 EA	
0150	Stock item (L)	LOKO-WHEEL	Aluminum wheel	4 EA	OA20	0030	4/4 EA	
0160	Stock item (L)	LOKO-SSPOK	5-spoke aluminum wheel	4 EA	OA20	0030	4/4 EA	
0170	Stock item (L)	LOKO-7SPOK	7-spoke aluminum wheel	4 EA	OA20	0030	4/4 EA	

Production Steps Table:

Production Step	Production Step Type	Group
Air Intake Assembly (0001-001-DSM-780-INT...	Assembly	
Operation 10 (0010)	Operation	
Operation activity 10 (OA10)	Operation Activity	
Operation activity 20 (OA20)	Operation Activity	
Operation 20 (0020)	Operation	
Operation 30 (0030)	Operation	

The bottom right section of the interface shows a 'BOM Visual' with a 3D model of the air intake assembly. The model is a dark grey, rectangular box with two curved pipes extending from the sides and a smaller component on top. The interface includes navigation and zoom controls for the 3D view.

[Link to documentation](#)



SAP Fiori Manage Certificate Receipts

Standard* 1 filter active: Certificate Type

Certificate Receipts (97)

Certificate	Certificate Type	Certificate Status	Certificate Receiv...	Material
2051	Cert. of conformity "2.1" EN 10204 (E21)	Received	31.07.2024	FLOG-SP14-QM (FLOG-SP14-QMC1)
1902	Cert. of conformity "2.1" EN 10204 (E21)	Expected		Window Motor (IP1)
1901	Cert. of conformity "2.1" EN 10204 (E21)	Stored and Checked	30.03.2023	Window Motor (IP1)
1852	Cert. of conformity "2.1" EN 10204 (E21)	Expected		Small part, fast-moving 01 (EK-PROD-S01-QM)
1851	Cert. of conformity "2.1" EN 10204 (E21)	Received	08.02.2023	Window Motor (IP1)
1801	Cert. of conformity "2.1" EN 10204 (E21)	Received	08.02.2023	Window Motor (IP1)
1752	Cert. of conformity "2.1" EN 10204 (E21)	Expected		Window Motor (IP1)
1751	Cert. of conformity "2.1" EN 10204 (E21)	Expected		Window Motor (IP1)
1701	Cert. of conformity "2.1" EN 10204 (E21)	Received	08.08.2022	Small part, fast-moving 01 (EK-PROD-S01-QM)
1652	Cert. of conformity "2.1" EN 10204 (E21)	Received	04.08.2022	Small part, fast-moving 01 (EK-PROD-S01-QM)
1651	Cert. of conformity "2.1" EN 10204 (E21)	Received	04.08.2022	Small part, fast-moving 01 (EK-PROD-S01-QM)
1601	Cert. of conformity "2.1" EN 10204 (E21)	Received	29.07.2022	Small part, fast-moving 01 (EK-PROD-S01-QM)
1553	Cert. of conformity "2.1" EN 10204 (E21)	Received	21.07.2022	Small part, fast-moving 01 (EK-PROD-S01-QM)
1552	Cert. of conformity "2.1" EN 10204 (E21)	Received	20.07.2022	Small part, fast-moving 01 (EK-PROD-S01-QM)
1551	Cert. of conformity "2.1" EN 10204 (E21)	Received	20.07.2022	Small part, fast-moving 01 (EK-PROD-S01-QM)
1512	Cert. of conformity "2.1" EN 10204 (E21)	Received	07.07.2022	Small part, fast-moving 01 (EK-PROD-S01-QM)
1401	Cert. of conformity "2.1" EN 10204 (E21)	Received	02.06.2022	Small part, fast-moving 02 (AI-PROD-S01-QM-CERT02)

1901 Draft

Received Expected Receipt Canceled Defective

General References Attachments Inspection Lot Details Administrative Data

References

Logistics Documents

Material Document: 5002166601 Purchasing Document: 4503275944 Delivery Note: 2025-09-02-01A09

Material Document Item: 1 Purchasing Document Item: 10

Material Document Year: 2023

Certificate receipts exist for this purchasing document item that may already include the certificate as an attachment.

Other Certificate Receipts for Purchasing Document Item (1) Standard

Certificate	Certificate Type	Certificate Status	Certificate Receiv...	Purchasing Docum...	Purchasing Doc...	Delivery Note
1902	Cert. of conformity "2.1" EN 10204 (E21)	Expected		4503275944	10	

Attachments (1) Select Document Type to Upload: Demo object

certificate-453275944.jpg Draft

Manage Certificate Receipts lets you define certificate requirements in the material master and monitor that all required supplier quality certificates are received for each material, independent of goods receipt, via manual entries or automatic updates.

When procuring goods, you can require a supplier quality certificate with the shipment, in addition to technical delivery terms and quality assurance agreements. You can track certificate receipt independently of goods receipt and inspection lots, archive the certificate, and trigger automatic reminders for missing ones.



SAP Fiori Record Inspection Results

Standard* 1 filter active: Characteristic Status

Inspection Lots Operations Samples Master Inspection Characteristics

Record Results Record Multiple Results Accepted Open Rejected Skipped

Inspection ...	Material	Plant	Batch	Sample Size	Number of Charact...	Progress of...	Number of ...
<input type="checkbox"/> 1100000152	Material with Classification (MK_LSUM_WO_EWM)	Plant 0001 (0001)		1	EA	Rejected 0 Accepted 2 Skipped 0	
<input type="checkbox"/> 1100000153	Material with Classification (MK_LSUM_WO_EWM)	Werk EW01 (EW01)		1	EA	Open 0 Rejected 0 Accepted 2 Skipped 0	
<input type="checkbox"/> 1100000253	Material with Classification (MK_LSUM_WO_EWM)	Werk EW01 (EW01)	SAMP1	46	EA	Open 0 Rejected 1 Accepted 2 Skipped 0	
<input type="checkbox"/> 1100000255	Material with Classification (MK_LSUM_WO_EWM)	Plant 0001 (0001)	SAMP2	460	EA	Open 0 Rejected 0 Accepted 2 Skipped 0	
<input type="checkbox"/> 1100000256	Material with Classification (MK_LSUM_WO_EWM)	Werk EW01 (EW01)	SAMP1	192	EA	Open 16 Rejected 0 Accepted 4 Skipped 0	
<input type="checkbox"/> 1100000257	Material with Classification (MK_LSUM_WO_EWM)	Plant 0001 (0001)	SAMP2	192	EA	Open 14 Rejected 0 Accepted 2 Skipped 0	

Inspection Object

10 Diameter

Inspection Characteristics

Inspection Object Material Plant

Diameter (0010) MK_LSUM_WO_E EW01

Inspection Lot: 1100000253

Operation: Goods inspection with work center (0010)

Sample: 100000200

Specifications: 40 .. 50 mm
Target: 45 mm

Inspect: 46 * 1.00 EA

Properties: Summarized Result Required Characteristic

Results

Mean Value: 52,0

Standard Deviation: 0

Inspected / Nonconforming: 46 0

Remark: The inspected product's critical characteristic is the outside diameter. The specified tolerance band is 40.00 mm to 50.00 mm, with a nominal (target) value of 45.00 mm. The measured value obtained during this inspection is 46.00 mm. Measurement was performed using a calibrated digital bore/outer micrometer (resolution 0.001 mm, calibration due: 2026-03-31). The part was conditioned at 20 ± 1 °C for at least 30 minutes prior to measurement; the instrument and gauge blocks were verified before use. A single-point measurement was taken at three circumferential orientations and two axial locations; the maximum reading recorded was 46.00 mm and the minimum was 45.98 mm, indicating roundness/ovality within 0.02 mm at the measurement plane.

Result: Conforms. The actual diameter of 46.00 mm falls inside the specification limits (LSL 40.00 mm, USL 50.00 mm) and is +1.00 mm from target, which is acceptable for assembly fit and downstream processing per control plan CP-DIA-07. Measurement uncertainty (expanded, k=2) is

Attribute: -

Additional Information: Hexagonal Screw (12)

Origin of Results Data:

No. Above / Below:

Equipment master record

With Record Inspections Results app lets you

Record characteristic results for one or multiple inspection lots, including bulk entry across several lots.

Manually create defects at the lot, operation, or characteristic level.

View open and long-term characteristics by lot, operation, or master inspection characteristic; long-term characteristics remain recordable after short-term inspections are complete.

- Inspect conditional characteristics after prior required characteristics are accepted or rejected within the same operation.
- Use calculated characteristics to derive results with predefined formulas based on other characteristics.
- Capture test equipment/PRT details in the Additional Information field alongside characteristics for clearer, consistent quality records.
- Enter long text for characteristics and methods directly in results recording.
- Enjoy faster data access thanks to optimized data handling.



SAP Fiori Manage Investigations

Standard

Editing Status: Type: Status: Team Member: Incident ID: Go Adapt Filters

Search All

Investigations (226) Create Filter Sort Refresh More

ID	Investigation Reason	Type	Status	Team Members	Incident ID	Start Date	Planned End Date
231	Incident 3009 - 20251002031622	External Investigation	New	trit trit (1042)	3009		
230	Incident 29879 - 20250926034121	Internal Investigation	New	Philip Williams (605) - Christoph Klein (1048)	29879		
227	Near Miss 29783 - 2025091702334	Internal Investigation	In Progress	Dhinesh Kumar (243) - Niraj Chauhan (801)	29783	19.09.2025	31.10.2025
229	Safety Observation 29761 - 20250914022839	Internal Investigation	Closed	Philip William (629) - Pascale Van Laethem (1004491)	29761	19.09.2025	30.11.2025
228	Incident 29800 - 20250919031536	Internal Investigation	In Progress	trit trit (1042) - Cansu Bingol (1054) - Tony Stark (1004183)	29800	19.09.2025	
226	Incident 29792 - Investigation Step Record # 1	External Investigation	In Progress	Dhinesh Kumar (243) - Andreas Georg (1011345)	29792	19.09.2025	14.10.2025
225	Incident 29745 - 20250911033701	Internal Investigation	New	satish madala (1050)	29745		
224	Incident 29548 - 20250901021845	Internal Investigation	In Progress	New Vmodeto user first New Vmode user last (1043)	29548	02.09.2025	
223	Safety Observation 29503 - test so with observed	Internal Investigation	New	AD MSS (804)	29503		
222	Incident 29520 - 20250828032553	Internal Investigation	Closed	EHS START (9980010368)	29520	28.08.2025	
221	Incident 29515 - 20250828030150	Internal Investigation	New	EHS START (9980010368)	29515		
220	Incident 29483 - 20250827021548	Internal Investigation	Closed	EHS START (9980010368)	29483	27.08.2025	
218	Incident 29473 - 20250826033019	Internal Investigation	In Progress	AD MSS (804)	29473	26.08.2025	
219	Incident 29472 - 20250826032913	Internal Investigation	New	Niraj Chauhan (801)	29472		
217	Incident 29457 - 20250826021550	Internal Investigation	Closed	EHS START (9980010368)	29457	26.08.2025	
216	Incident 29435 -	Internal Investigation	Closed	EHS START (9980010368)	29435	26.08.2025	

Near Miss 29783 - 2025091702334 Edit Close Investigation Cancel Investigation

Type: Internal Investigation | Expected Duration: 43 days | Status: In Progress | Location: -

Overview | Plan | Collect | Analyze | Notes

Timeline

Start Date: 19/09/2025 | Planned End Date: 31/10/2025

In Days: 11 (Days Elapsed) | 28 (Days Remaining)

Activities Overview

Open Activities: 2

Completed Activities: 0

Problems and Root Causes

No Root Cause: 0

Root Cause Identif...: 0

Root Causes and Recommendations

No Recommendation: 0

Recommendation ...: 0

Investigation Team

- Dhinesh Kumar (Investigation Lead)
- Niraj Chauhan (Team Member)

Open Activities

Activity	Type	Assignee	Due Date
act1	Root Cause Analysis	Niraj Chauhan	25.09.2025
Find Root Cause	Root Cause Analysis	Dhinesh Kumar	29.09.2025

This feature enables you to manage investigations of workplace incidents and document investigation results in a dedicated app. The new **Manage Investigations** app (F7969), allows you to work on investigation records without needing authorization to edit the related incident records; you only need read access to the incidents.

You can plan the investigation process, set up an investigation team, collect evidence, identify root causes using problem analysis methodologies, and make recommendations for ways to prevent similar incidents in the future.

For more information: [Manage Investigations](#).



SAP Cloud ERP Private differentiators

Joule

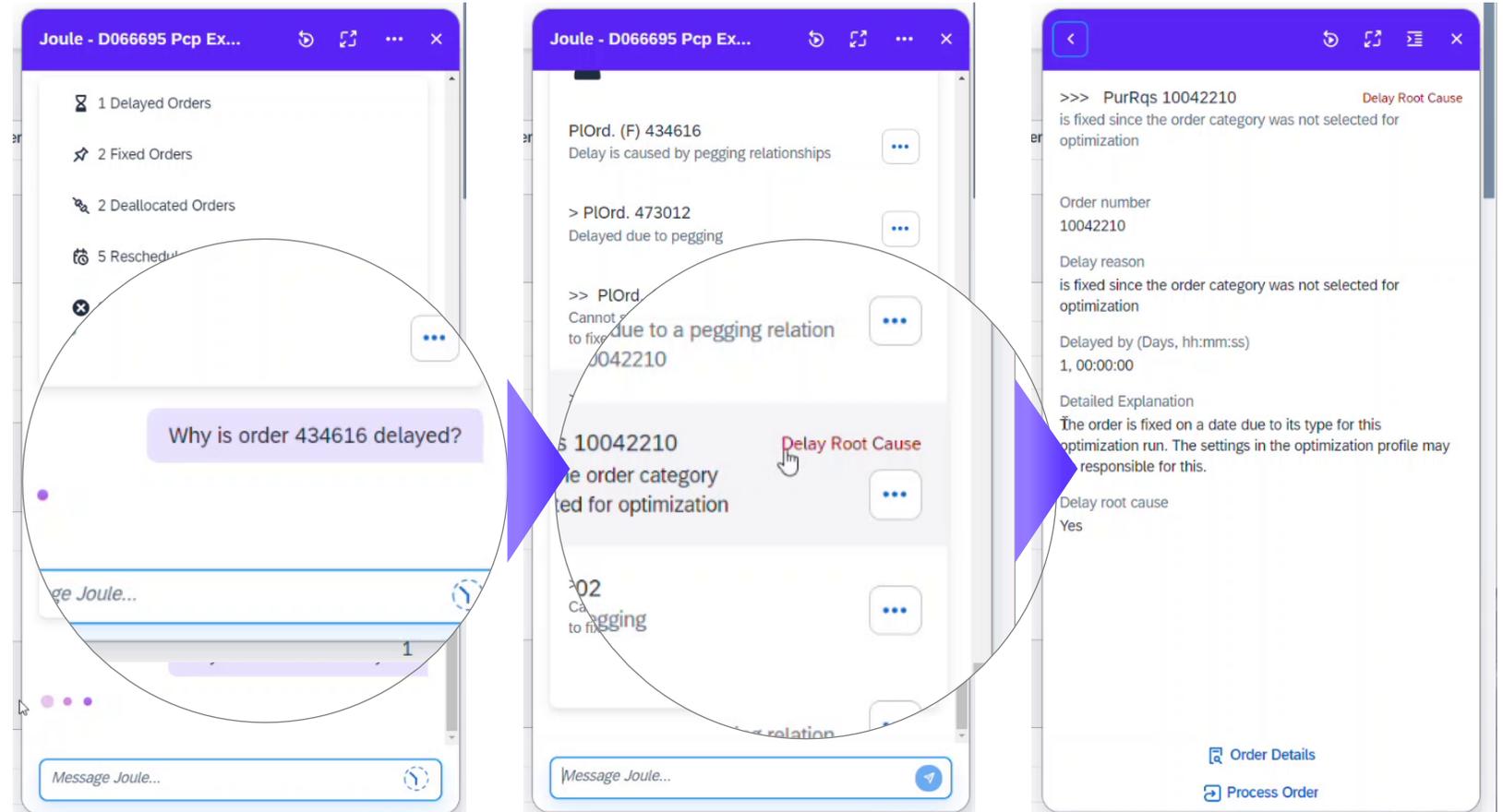


Joule

[Production Order](#)

[Process Order](#)

[Detailed Scheduling Optimization](#)





SAP Cloud ERP Private differentiators

Situation Handling



Intelligent technologies Situation Management

Some examples:

- [MRP: Material Exceptions Handling](#)
- [PEO: Production Defect Handling](#)
- [JIT Call Component Groups Due for Delivery](#)
- [JIT Call Due for Goods Issue Processing](#)
- [JIT Status of Jobs in Supply to Customer](#)

Material Details

Individual Segment: CustSt 125081-10

⚠ MRP Material Exceptions
5 months ago
Exception Occurred for MRP Material
[Close Situation](#)

[STOCK/REQUIREMENTS LIST](#) MATERIAL INFORMATION NOTES (1)

Stock / Requirements List (0 Shortages)

Shortage Definition: MRP Standard

The system cannot propose solutions for materials produced in-house.

Date	MRP Element	Actions	Additional Information
11/19/2025	CustSt		Domestic US Customer 1
11/19/2025	PrdOrd 2000121-1	Edit v	Production Order Processing MTO

Notifications

▼ Yesterday

MRP Material Exceptions ✕
Cancel Process : ProdOrder 2000121-1 Material FG226 Plant 1710
22 hours ago

MRP Material Exceptions ✕
Cancel process : ProdOrder 2000240-1 Material MZ-FG-F228 Plant 1710
22 hours ago

▼ This Week

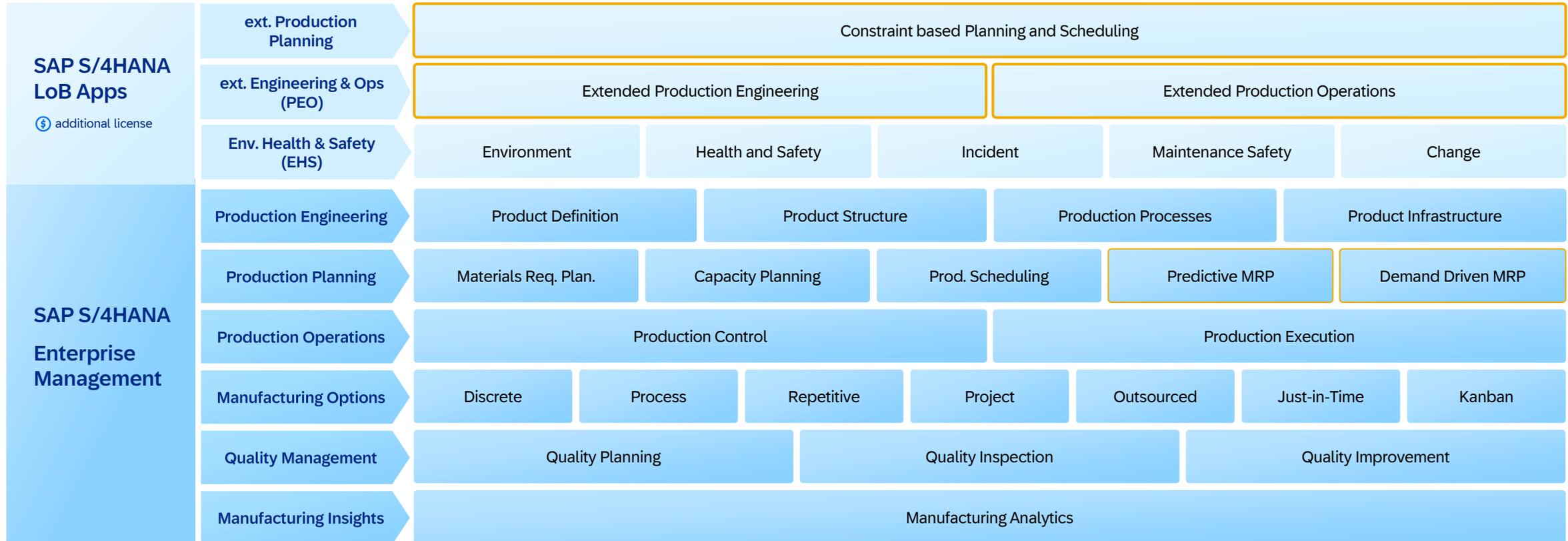
MRP Material Exceptions ✕
Cancel Process : ProdOrder 2000121-1 Material FG226 Plant 1710
1 day ago

MRP Material Exceptions ✕
Cancel process : ProdOrder 2000240-1 Material MZ-FG-F228 Plant 1710
1 day ago

Blog series Situations Handling



New Business Processes Business Area and Business Capability Overview



New business capabilities in SAP S/4HANA

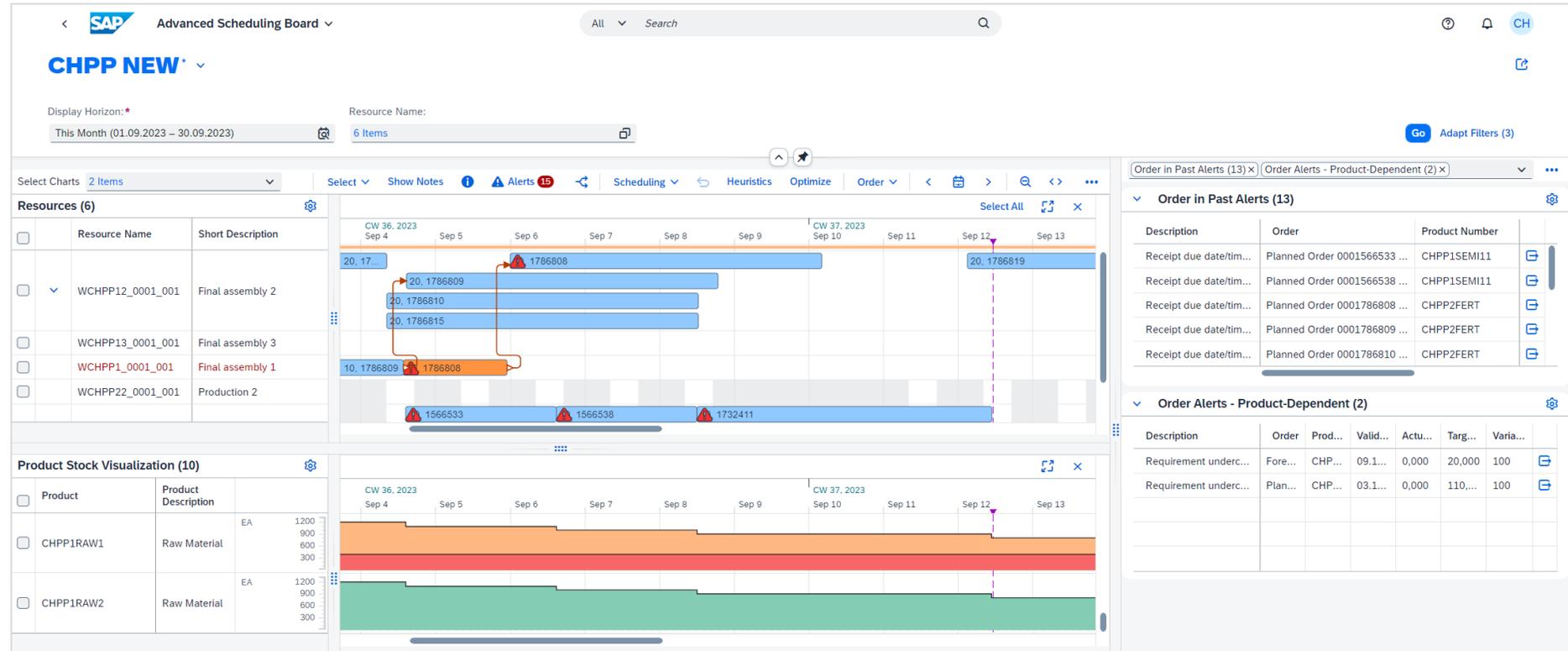


New Business Processes and Functionalities

Constrained Based Planning and Scheduling

Constraint based Planning with Production Planning / Detailed Scheduling(PPDS)

- Fine Planning, Production Scheduling with constraint capacity
- Advanced interactive planning board with graphical control
- Simplified integration with Production Planning and Control (PP) within SAP S/4HANA



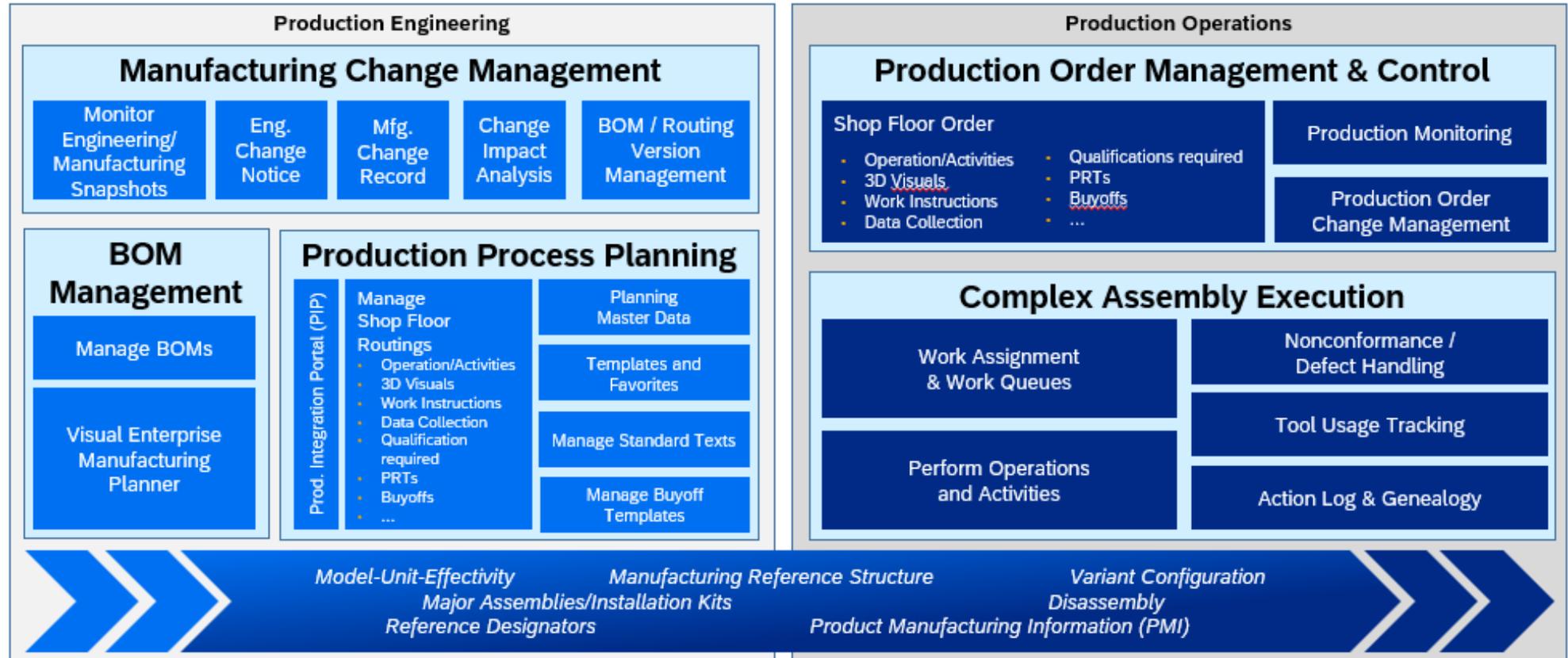
[Link to documentation](#)



New Business Processes and Functionalities

Extended Production Engineering | Extended Production Operations

- Extended Master Data Versioning
- Handover of Engineering BOM to Manufacturing BOM
- Advanced operations and confirmations (sign-off)



[Link to documentation](#)



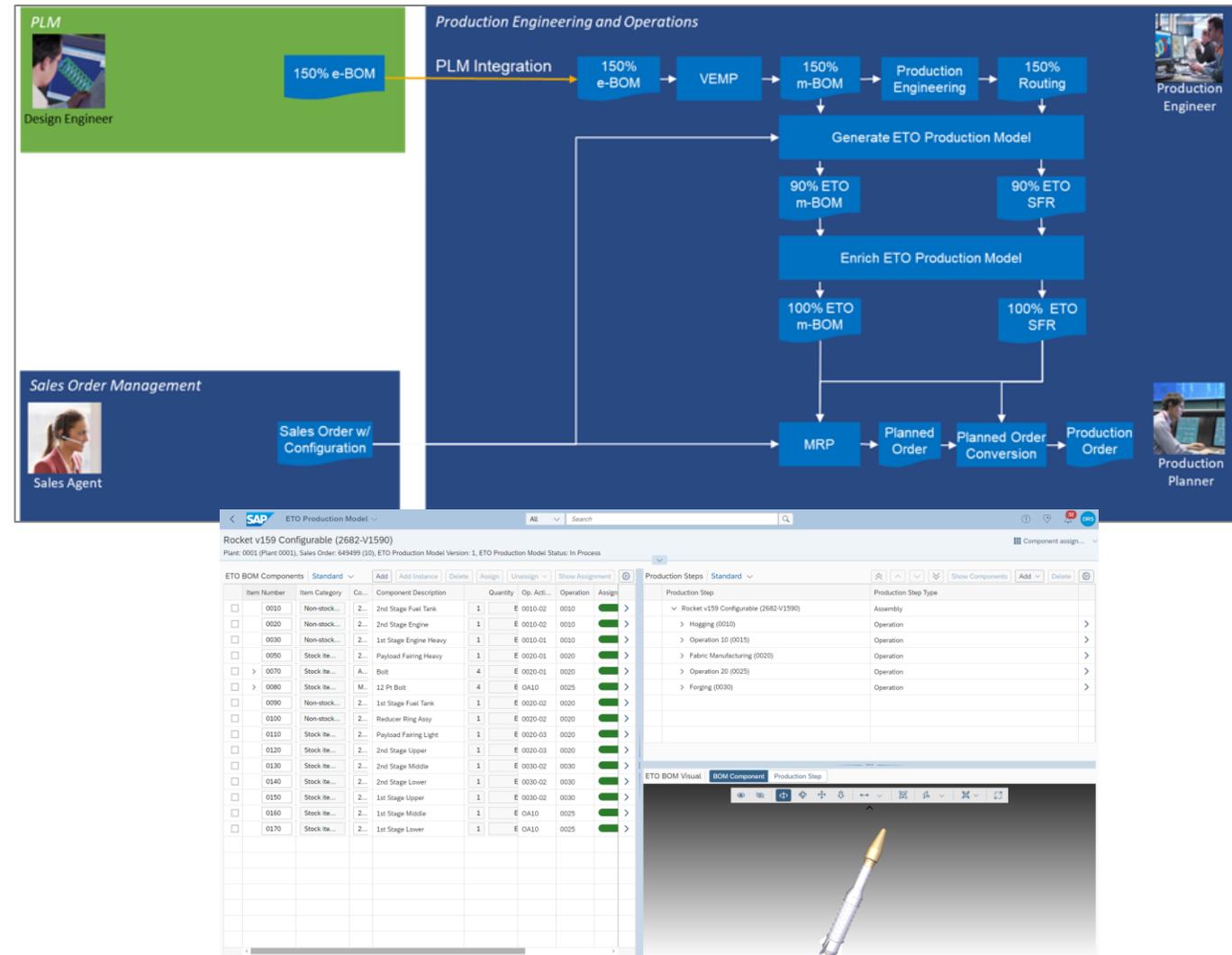
New Business Processes and Functionalities

Extended Production Engineering

Engineer-to-order: version-controlled bills of material and shop floor routings

- Create sales order specific BOM and Shop floor routing (or ETO Production Model) based on the 150% CTO production model
- Use Manage Production Model App to enrich the ETO production model. i.e. add/remove/modify BOM components or production steps
- Create production order for sales order item which utilises the ETO production model instead of generic CTO production model
- Flexibility to implement customer specific requirements in sales order specific production model without impacting the generic CTO production model

[Link to documentation](#)

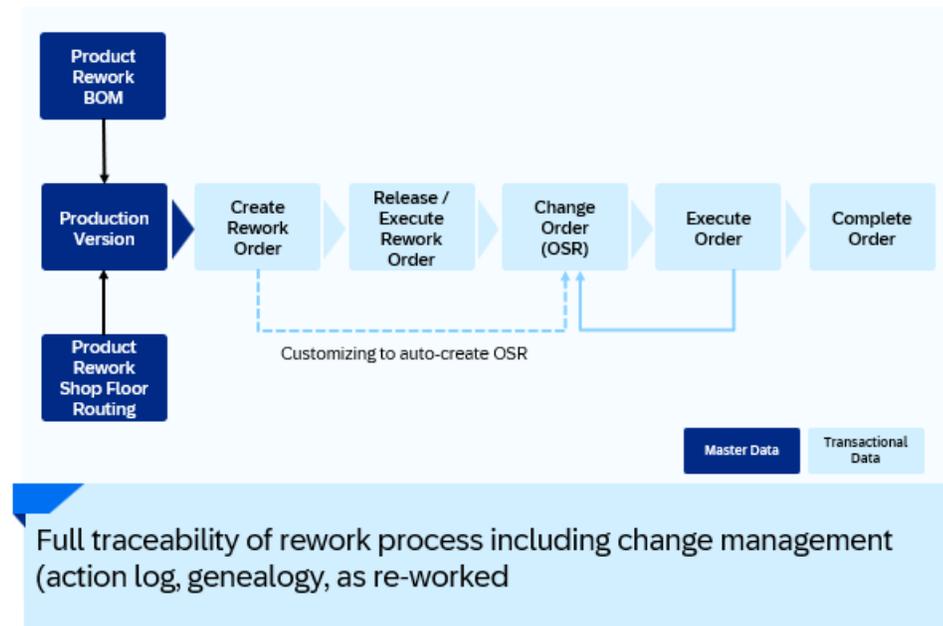
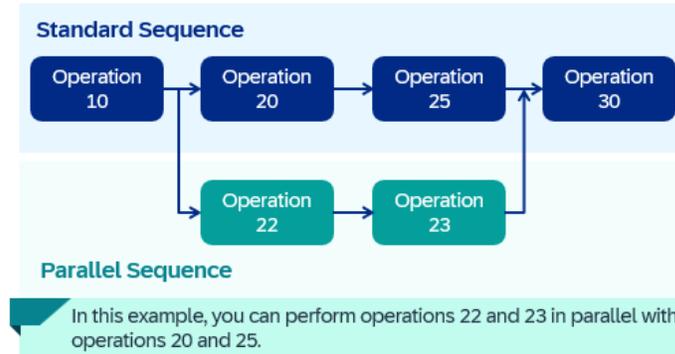




New Business Processes and Functionalities

Extended Production Engineering

- Creating parallel sequences in shop floor routing: A [parallel sequence](#) is a sequence of several operations that you can perform at the same time as a number of consecutive operations from a different sequence, which is usually the standard sequence.
- [Product rework](#) (reworking a product at any time after completion of its production order)
- [Product unitization](#) allows you to manage multiple configurations of an assembly and its production process plan (routing) in a way that all the possible units can be modeled using same super bill of material (BOM) and super routing.
- [Buyoffs](#) are an electronic way to approve the completion of a manufacturing activity performed on a shop floor.
- Support the use of global alternatives defined using simple discontinuation in the material master record by replacing components in a production order without having to update the BOM





New Business Processes and Functionalities

Predictive Material and Resource Planning

- Midterm planning solution to influence capacity planning through MRP prediction
- Predict and simulate capacity constraints based on current MRP result
- Simulating and resolving capacity and material gaps in a plant before they occur

SAP Capacity Plan Simulation

Demand Plan Simulation / Simulation Views Simulation Summary

Capacity Plan Simulation

Simulation: pMRP_SimulationID_0804 (PMRP_SIMID_0804_1) Capacity Issues: 3 Delivery Performance: 100% Materials with Invalid Source: 0 Violated Constraints: 0

Reference Data: pMRP_ReferenceID_0804 (PMRP_REFID_0804_1)

Demand / Remaining Capacity in Hours				Disregard Capacity Issues		Change Available Capacity	
Work Center	Plant	Capacity C...	021	Week 17, 2021	Week 18, 2021		
ASSEM1	1710	001	148.000	-28.000	181.000	-61.000	181.000
PACK1	1710	001	99.750	20.250	135.750	-15.750	135.750
PACK2	1710	001	0.000	120.000	0.000	120.000	0.000

Inspector

PACK1 **135.750** H

Packing
Remaining Capacity: -15.750 Hours
Week 18, 2021

Top-Level Materials (6)

MZ-FG-M001 **36.200** H

MZ-FG-M001, MTS-DI,PD,QM
Required Quantity: 72 PC
For Week: Week 18, 2021
Multi-Level Material Simulation **Shift Demand**

MZ-FG-M001 **9.050** H

MZ-FG-M001, MTS-DI,PD,QM
Required Quantity: 18 PC
For Week: Week 19, 2021
Multi-Level Material Simulation **Shift Demand**

Packing Overview (PACK1, 1710, 001)

Hours

Period

Legend: Feasible Load, Overload, Accepted Overload, Available Capacity

[Link to documentation](#)



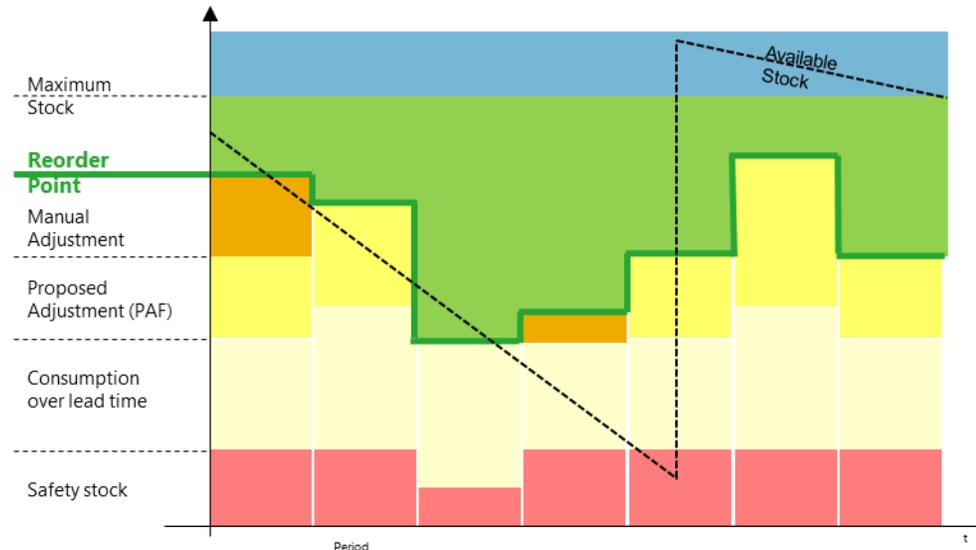
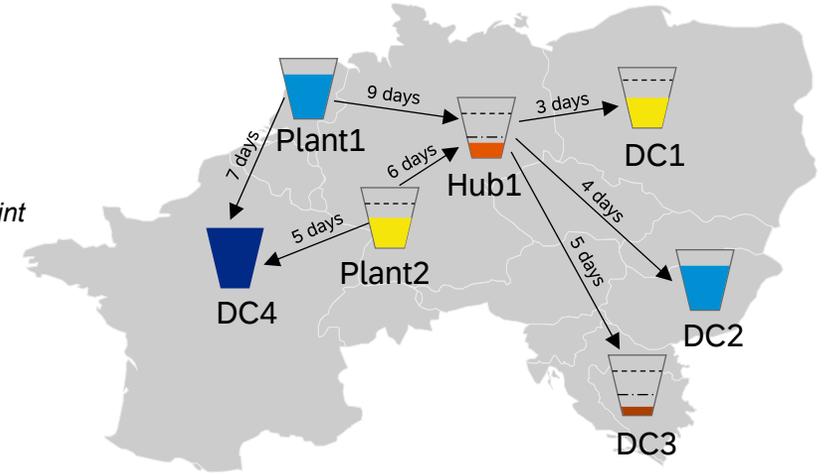
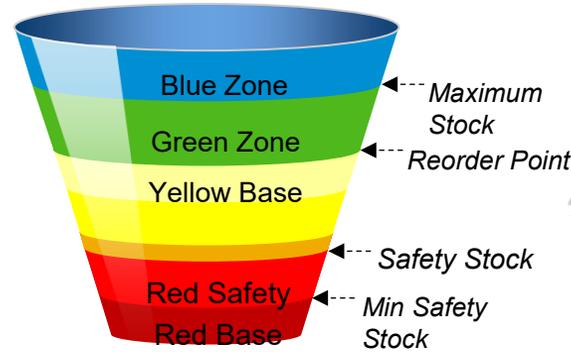
New Business Processes and Functionalities

Demand-Driven Replenishment

- **Buffer inventory** is based on target levels in strategic locations. Replenishment is triggered based on the average consumption over the lead time.
- Specific **MRP type** controls the consumption-based planning through parameters for:
 - Qualified demand
 - Qualified supply
 - Safety stock
 - Lot size
 - Reorder point

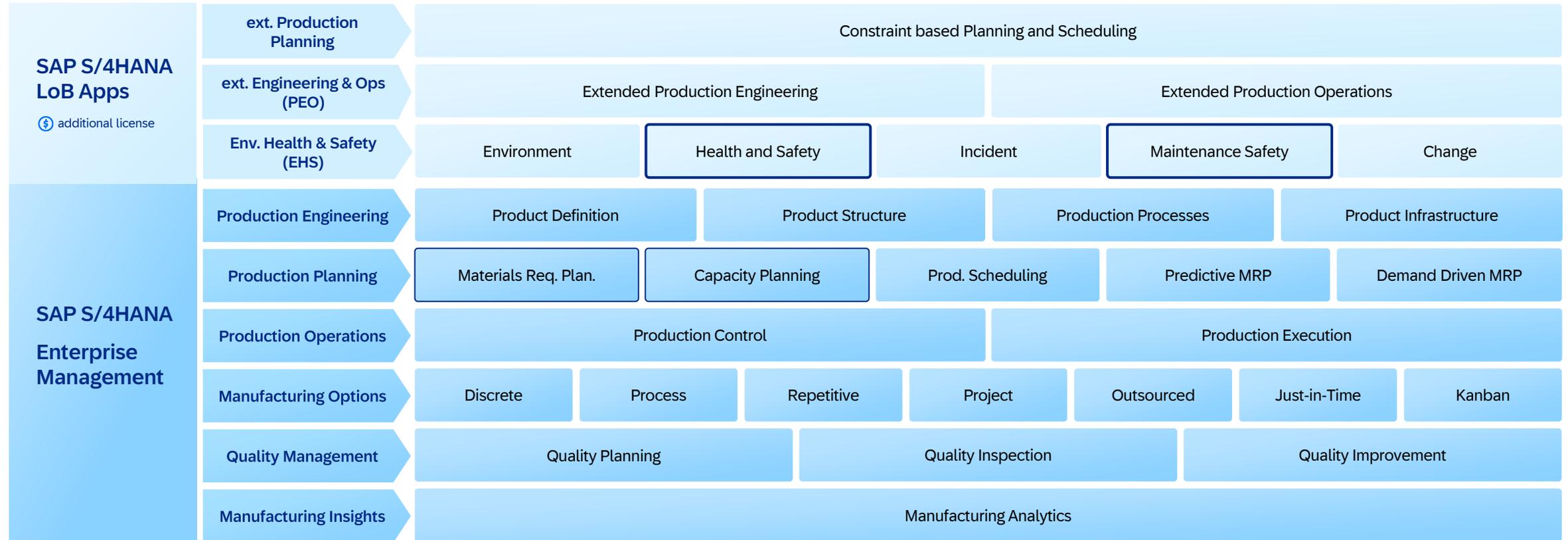
[Link to documentation](#)

Buffer Size =
(Stock on Hand in % to ToG)





Updated Business Processes Business Area and Business Capability Overview



Updated business capabilities in SAP S/4HANA



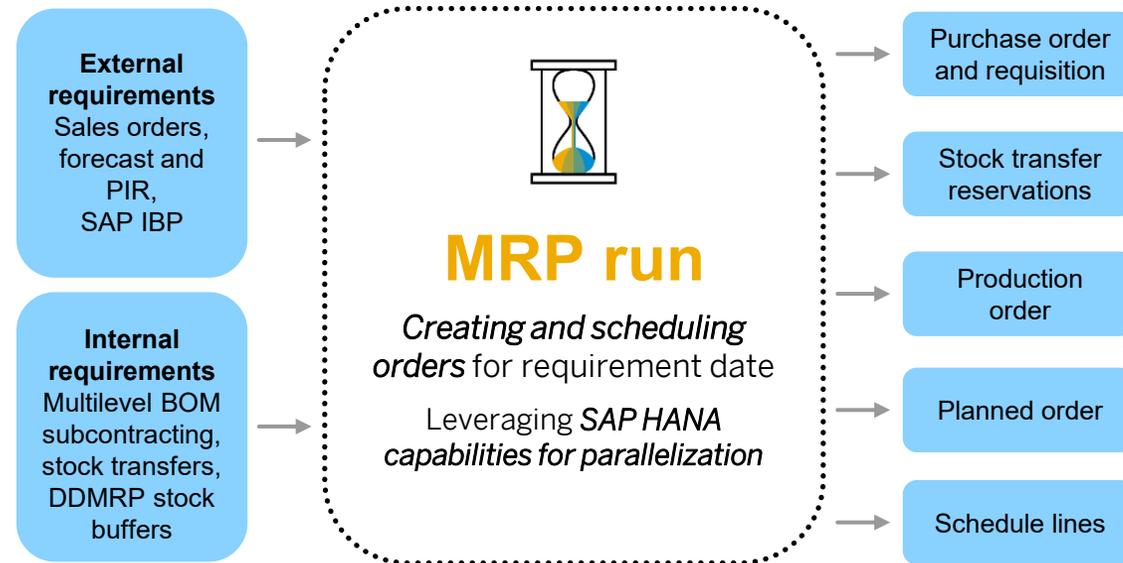
Updated Business Processes & Functionalities

Material Requirements Planning

Accelerated MRP (MRP live)

MRP optimized for SAP HANA database:

- **Significant performance improvements** (10-100 times faster, with less data load)
- **Shorter planning cycles** (multiple times a day)
- **Up-to-date supply and demand information** on which to base decisions
- **Matching demand and supply** more efficiently than was previously possible
- Improvements for **cross-plant planning**
- Foundation for **simulative** planning runs predictive MRP
- Materials relevant for SAP Integrated Business Planning (SAP IBP) or Production Planning and Detailed Scheduling (PP/DS) integration can also be planned using MRP live



[Link to documentation](#)

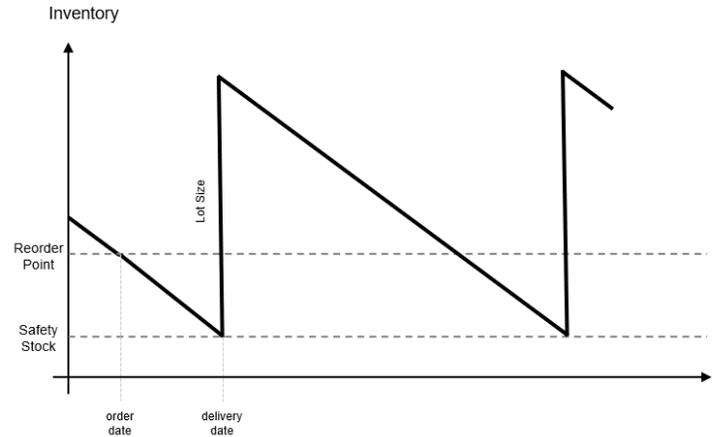


Updated Business Processes & Functionalities

Material Requirements Planning

Time dependent stock levels:

- Dynamic definition for Safety Stock and Reorder Point (Time series for previously static master data)
- Define phases for temporary adjustment of inventory levels (e.g. for campaigns or seasonal trends)
- No ongoing adjustment of master data required (less data maintenance required)



MZ-FG-R13
R13 Bike

MRP Plant: 1710
MRP Type: PD (Forecast Consumption, No Planning Time Fence)
MRP Safety Stock Method: (Static Safety Stock)

Validity Intervals

Validity Intervals (3)							
Date From	Date To	Safety Stock	Reorder Point	Target Stock	Max. Stock	Safety DOS	
<input type="radio"/>	03/01/2023	03/31/2023	300 PC	600 PC	0 PC	0 PC	0.00 d
<input type="radio"/>	04/01/2023	04/30/2023	500 PC	800 PC	0 PC	0 PC	0.00 d
<input type="radio"/>	05/01/2023	12/31/9999	300 PC	600 PC	0 PC	0 PC	0.00 d

[Link to documentation](#)



Updated Business Processes & Functionalities

Capacity Planning

- [Work Center Area of Responsibility:](#)

Manage Work Center Capacity and work lists via **area of responsibilities**

Usage %	Capacity %	Work Center	Capacity H	Plant
97.310 %	195.550 %	CW39, 2023	254.000 H	Plant 1 GB (1110)
49.800 %	113.33		130.000 H	Plant 1 GB (1110)
37.540 %	88.88		98.000 H	Plant 1 GB (1110)
15.320 %	42.22		40.000 H	Plant 1 GB (1110)
12.260 %	50.00		32.000 H	Plant 1 GB (1110)

App Settings

- Area Of Responsibility
 - Plant and MRP Controller [Assign](#)
 - Work Center Group [Assign](#)
- Load Personalization >

- [Manage Work Center Capacity:](#)

Include Sales Order data for MTO in Operations Table

Order	Order Category	Operation	Action	Product	Operation Start	Operation End	Operation Status	Planning Status	Capacity Require...	Operation Quantity	Sales Order	Sales Order Item
400000213	Planned Order	0020	Reschedule	STD_ELECTRIC_CAR Standard Electric Car	27.09.2023, 08:00:00 Europe, London	27.09.2023, 16:00:00 Europe, London	Created	Not Dispatched	8,000 H	2	EA	
1000284	PP Production Order	0020	Reschedule	STD_ELECTRIC_CAR Standard Electric Car	27.09.2023, 08:00:00 Europe, London	04.10.2023, 12:00:00 Europe, London	Created	Not Dispatched	40,000 H	10	EA	5422 10
1000283	PP Production Order	0020	Reschedule	STD_ELECTRIC_CAR Standard Electric Car	28.09.2023, 09:00:00 Europe, London	02.10.2023, 11:00:00 Europe, London	Released	Not Dispatched	20,000 H	5	EA	5419 10
400000214	Planned Order	0020	Reschedule	STD_ELECTRIC_CAR Standard Electric Car	04.10.2023, 10:00:00 Europe, London	04.10.2023, 14:00:00 Europe, London	Created	Not Dispatched	4,000 H	1	EA	
400000215	Planned Order	0020	Reschedule	STD_ELECTRIC_CAR Standard Electric Car	11.10.2023, 10:00:00 Europe, London	11.10.2023, 14:00:00 Europe, London	Created	Not Dispatched	4,000 H	1	EA	

- **Component availability date** in [Capacity Scheduling table](#)

Standard+ | Schedule Overview | Set Strategy

Evaluation Horizon: 01.09.2023 - 30.09.2023 | Work Center: | Product: | Status: | Adapt Filters (1)

Order	Product	Quantity	Requirement Date	Receipt Date	Work Center	Operation Start	Capacity Required
3319	SG1_CP CP-SG1, Shaft	1 PC	07.09.2023, 00:00:00	04.09.2023, 00:00:00	TURNING2 CP-WC2, Turning 2	04.09.2023, 07:00:00	0,920 H

Component Available Date: 30.08.2023, 00:00:00

[Link to documentation](#)



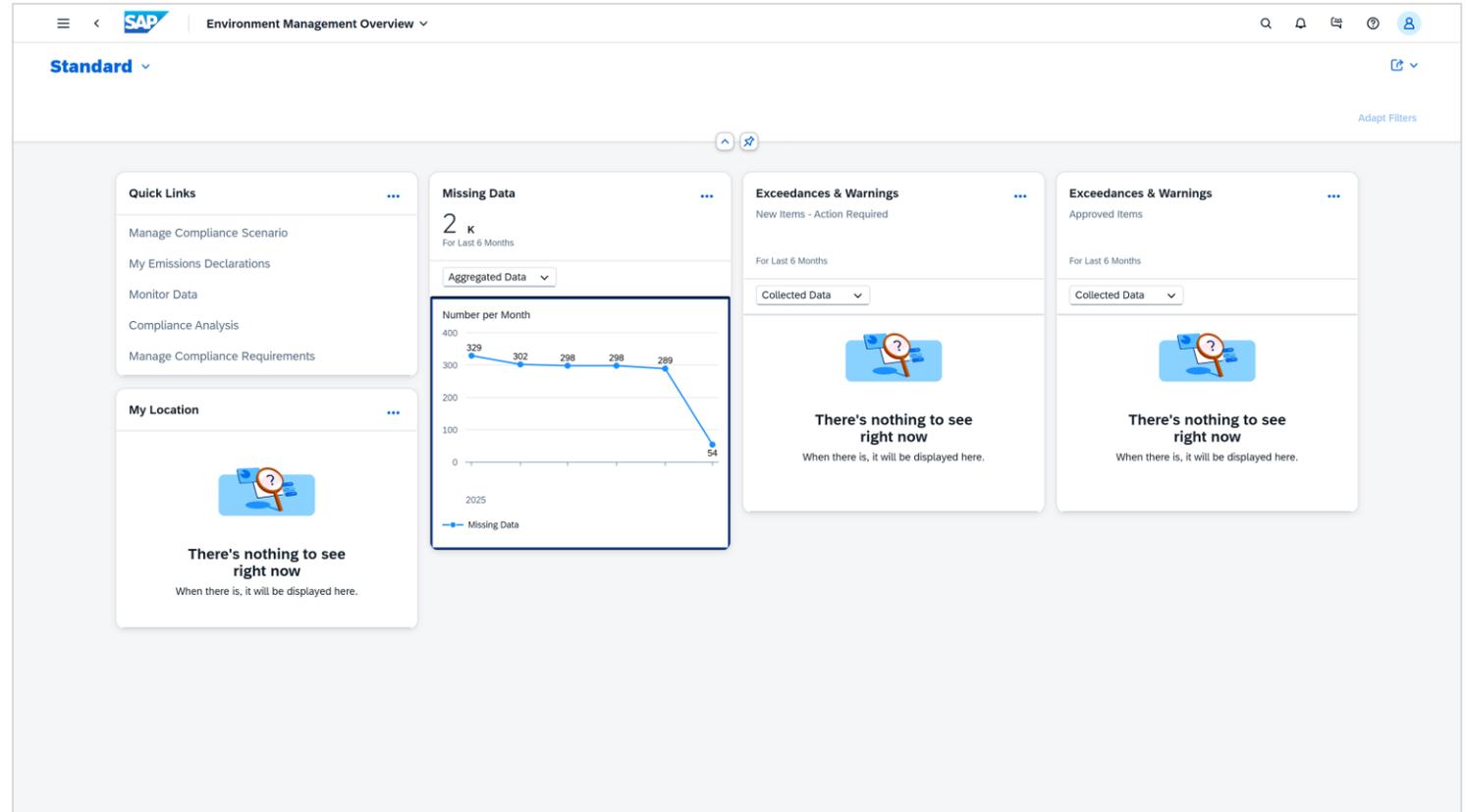
Updated Business Processes & Functionalities

Environment, Health & Safety (EHS)

Environment Management Overview:

The **Environment Management Overview** introduces an environmental dashboard. With it you can view all data issues with exceedances, warnings, and missing data from the last six months, collected within the Environment Management component. The app contains five data viewing cards, which you can drag and drop in the order that you want to display the data on the screen. Three of the cards show a month-by-month graph of data issues that are found in the system from the last six months (counted back from the current date). These numbers are collected for the location structure (including all sublocations) that the environmental manager is responsible for. This allows you, as the environmental manager, to access this data quickly and easily, all in one place.

[Link to documentation](#)



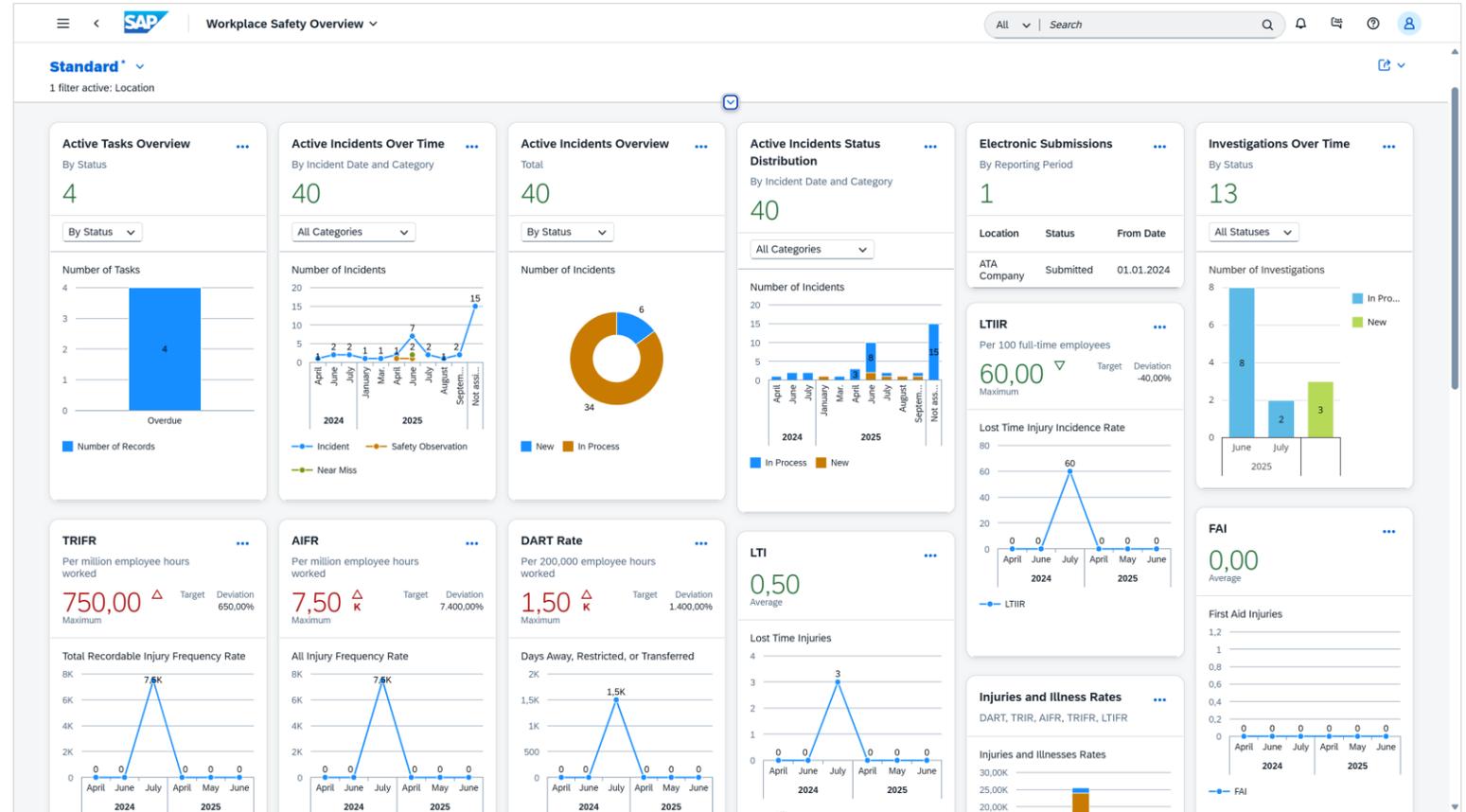


Updated Business Processes & Functionalities

Maintenance Safety

Workplace Safety Overview

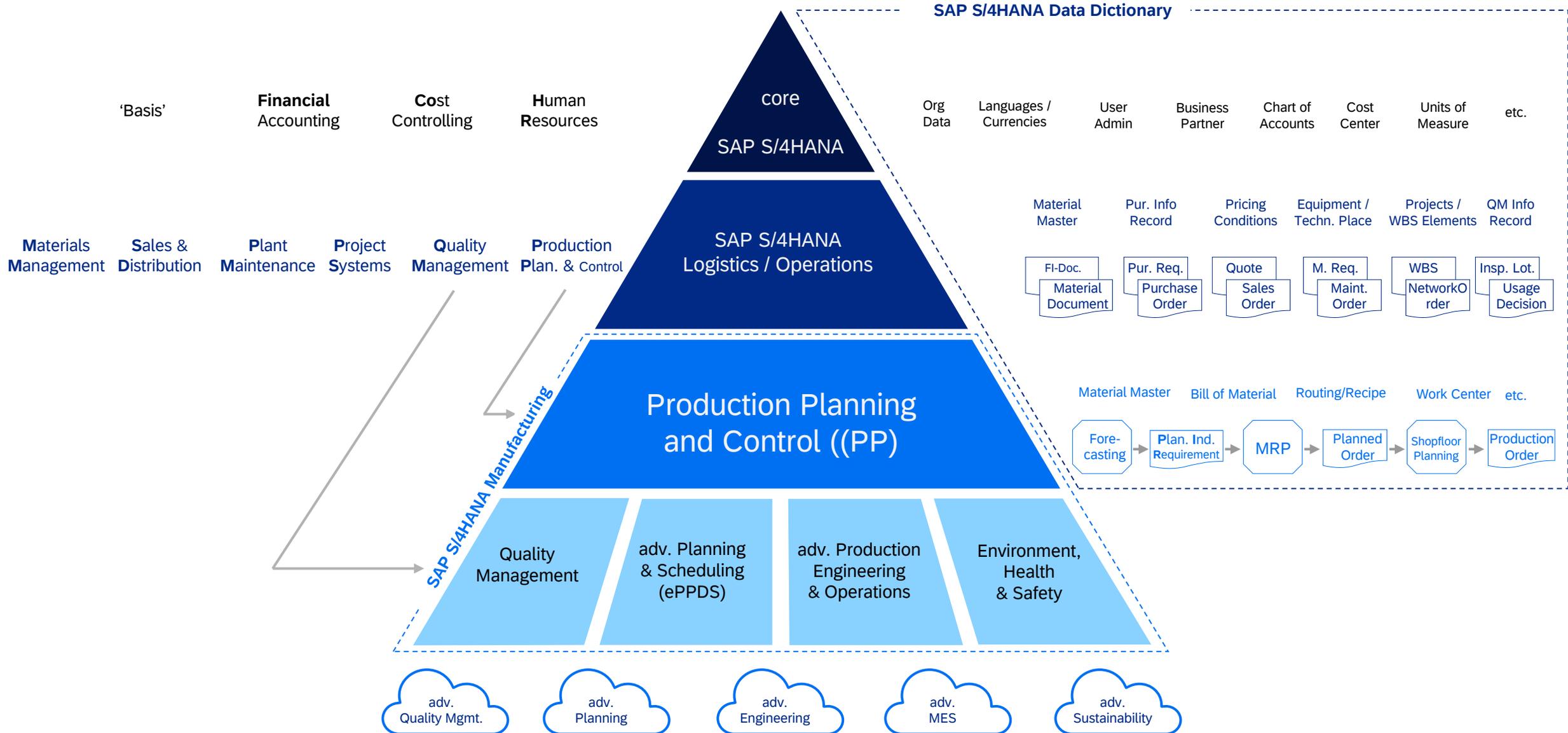
- The app now features a flexible layout that allows you to resize and arrange the cards according to your preferences.
- New cards provide you with additional insights into various aspects of workplace safety at your organization.
- You can monitor multiple safety metrics in real time, including monthly incidence and frequency rates of injuries and illnesses.
- New filters let you specify the location and time period that you want to include in the overview.
- You can navigate to records of incidents, investigations, and electronic submissions in the corresponding apps. You can also open the list of records that match the filter settings on a card by selecting the card's header.



[Link to documentation](#)

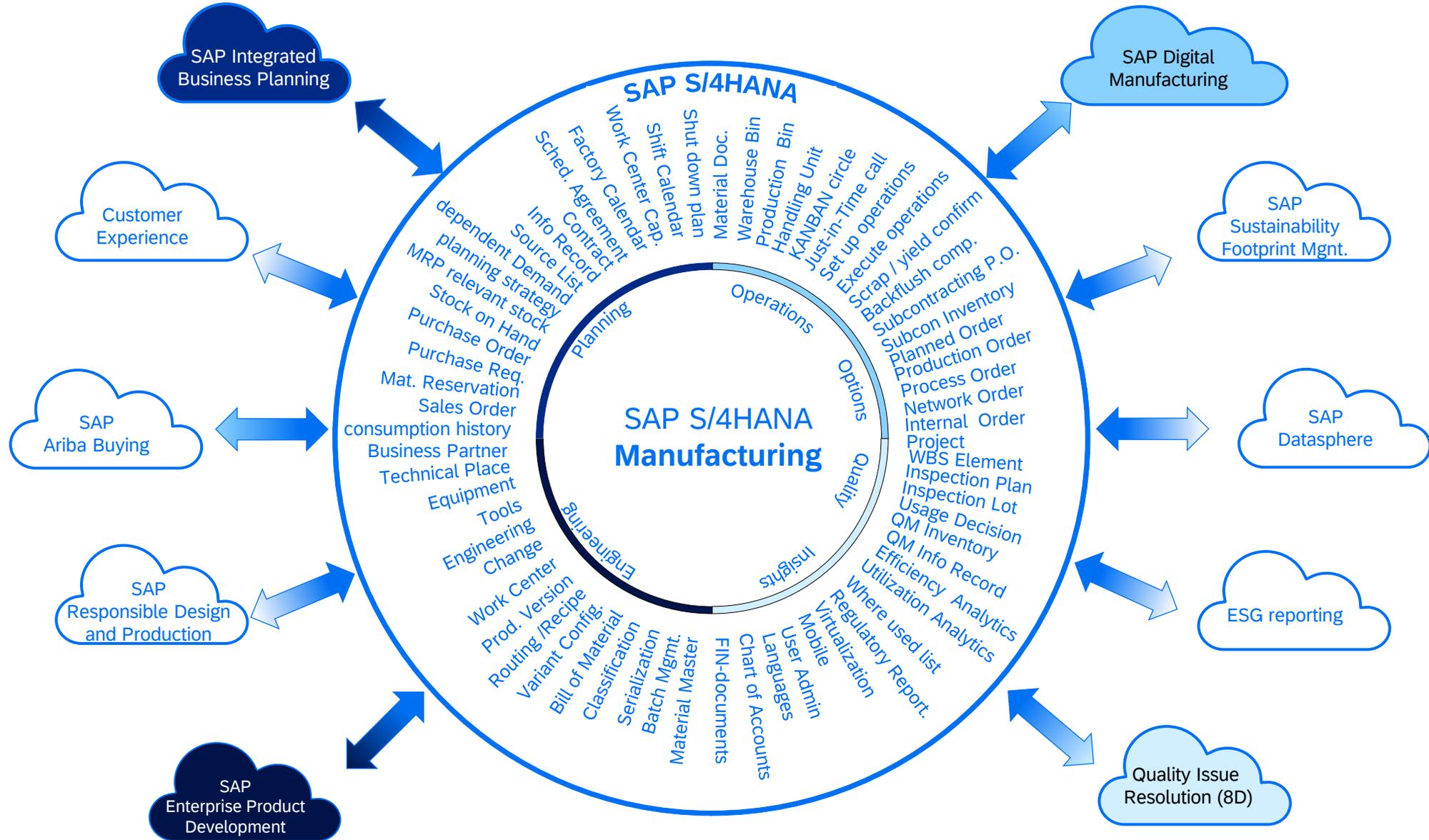


Out-of-the-Box Integration





Out-of-the-Box Integration





Compatibility Packs in Manufacturing

CP ID 443: Classical MRP lists

- Alternative option: MRP Fiori Apps
- Business Impact Note: [2268085](#)
- Simplification Item: [S4TWL - MRP in HANA](#)

CP ID 450: Forecast Based Planning - Material Requirements Planning

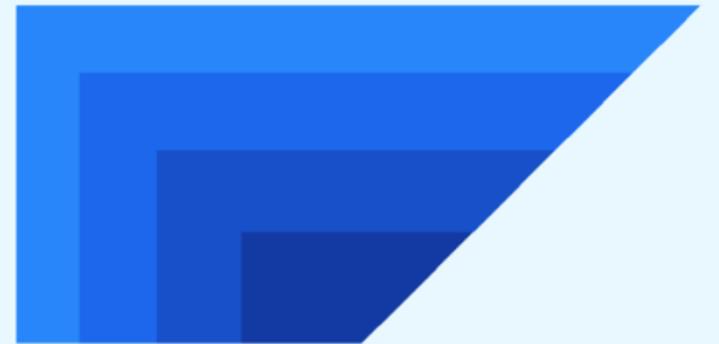
- Alternative option: "MRP for Product Independent Requirements", part of SAP S/4HANA
- Business impact note: [2268064](#)
- Simplification item: [S4TWL - Forecast Based Planning](#)

CP ID 451: Graphical Planning Table - Material Requirements Planning

- Alternative option: SAP S/4HANA Settlement Management
- Business impact note: [2268050](#)
- Simplification item: [S4TWL - Graphical Planning Table](#)

Additional CP in Manufacturing can be found in the 'Way Forward' sheet in <https://me.sap.com/notes/2269324>

Service





SAP Cloud ERP Private differentiators

SAP HANA and Embedded Analytics



SAP HANA and Real-time Analytics

Service Management Overview

- Service Management Overview
- Expiring Service Contracts Analysis
- Service Contracts Analysis
- Manage Service Contracts
- Overdue Service Orders Analysis
- Service Orders Analysis

Service Master Data and Agreement Management

- Expiring Service Contracts Analysis
- Service Contracts Analysis
- Manage Service Contracts
- Service Orders - Flexible Analysis

Service Operations and Processes

- Overdue Service Orders Analysis
- Service Orders Analysis
- Service Contracts - Flexible Analysis

Finances

- Display Line Items – Margin Analysis
- Product and Service Margins
- Even-Based Revenue Recognition

Maintenance Management

- Maintenance Order Costs

Analytic apps with SAP Analytics Cloud

- [Service Analysis for SAP S/4HANA](#)
- [Service Contract Dashboard](#)*



SAP Cloud ERP Private differentiators

Data Products and Intelligent Applications



Data products

Explore a range of data products within Business Data Cloud designed to help businesses manage, analyze, and leverage their data.

These products include curated datasets, data integration tools, and analytical applications, all of which aim to enable data-driven decision-making.

[Available data products](#)

 Data Product Service Contract Data Product Service Contract Version 1.0.1 ACTIVE	 Data Product Service Configuration Data Data Product Service Configuration Data Version 1.0.1 ACTIVE	 Data Product Service Confirmation Data Product Service Confirmation Version 1.0.1 ACTIVE	 Data Product Service Quotation Data Product Service Quotation Version 1.0.1 ACTIVE
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SAP Cloud ERP Private differentiators

SAP Fiori



SAP Fiori



Service Management Overview

Contains multiple reports in one dashboard

- Expiring Service Contracts Analysis
- Service Contracts Analysis
- Manage Service Contracts
- Overdue Service Orders Analysis
- Service Orders Analysis

[Link to documentation](#)

SAP Service Management Overview

Standard

1 filter active: Display Currency

Quick Links

- Service Orders Flexible Analysis
- Service Contracts Flexible Analysis
- Service Order Issues
- Service Contract Issues

Service Contracts 13 of 27131

By Profit Margin

Most Profitable

Description	ID	Profit Margin
all items	8000029357	1K EUR
PTF test contract...	8000022815	1K EUR
	8000029541	898 EUR
XUNE TEST	8000029655	387 EUR
	800000002	

Service Contracts 5 of 27131

By Contract Value

Highest Value

20201026 Xia...	Revenue: 0.0
ID:8000013710	Cost: 0.00EUR
Contract Value: 147560000.03EUR	
JackLi-Credit ...	Revenue: 0.0
ID:8000030502	Cost: 0.00EUR
Contract Value: 102564615.38EUR	
Credit Check F...	Revenue: 0.0
ID:8000028485	Cost: 0.00EUR
Contract Value: 1728000.00EUR	

Expiring Service Contract Items

Total Number

792

By Number

Number of Service Contra...

Incomplete Service Orders

Total Number

31 κ

Life Cycle Status

Overdue Service Orders

Total Number

31 κ

Life Cycle Status

Average Service Duration

By Product / Equipment

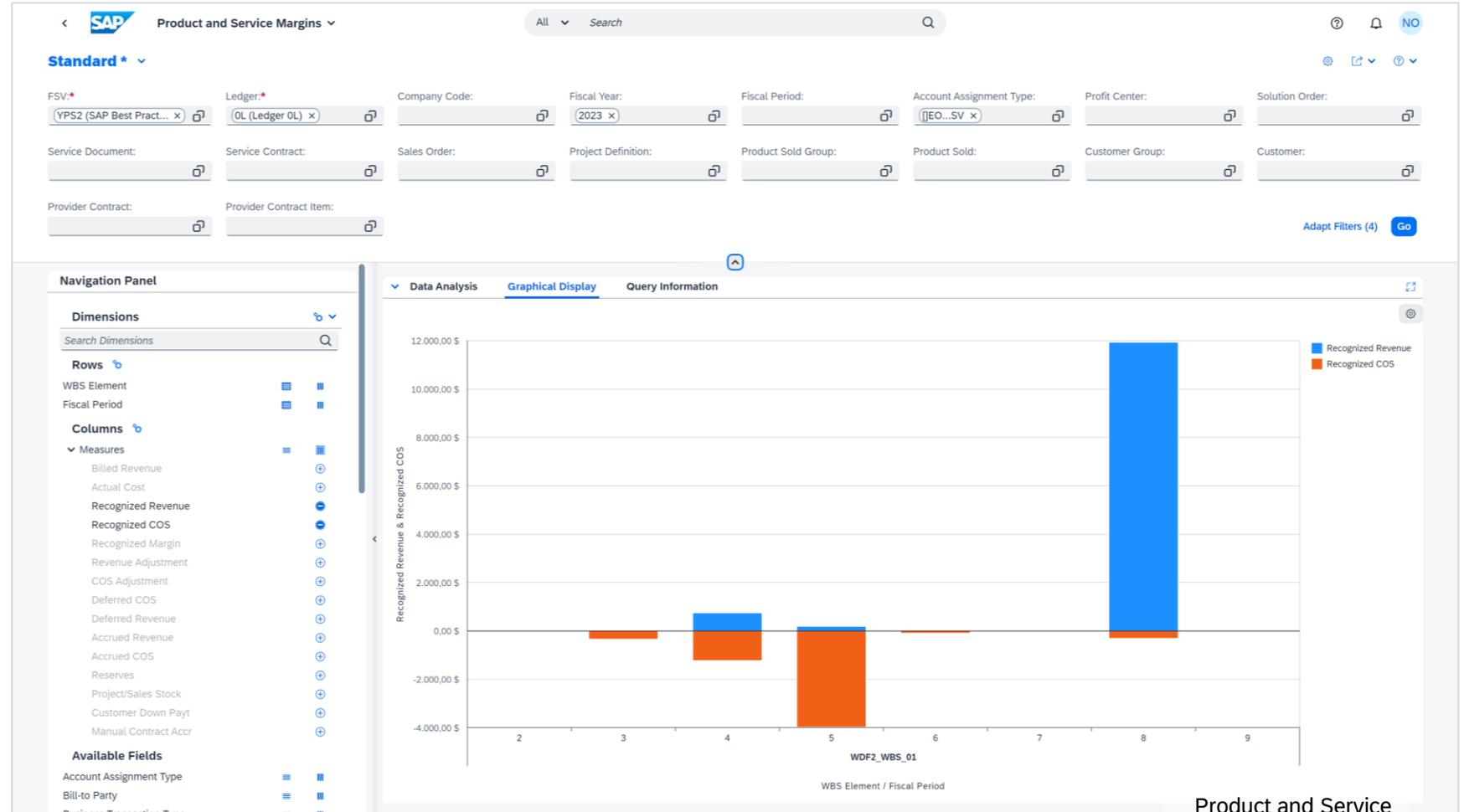


SAP Fiori

Product and Service Margins

- You can now use item-based accounting to record cost and revenue that have been incurred by service transaction items.
- For service order items, service contract items, and for Service with Advanced Execution, controlling objects are used for event-based revenue recognition.
- You can now assign work breakdown structure elements (WBS elements) as attributes to service transactions such as service contracts, service orders, or repair orders when you have enabled item-based accounting
- There are various reports you can use to analyze the margin, revenues and costs as they occur:

[Link to documentation](#)



Product and Service Margins showing a WBS element



SAP Fiori

Even-Based Revenue Recognition

- With event-based revenue recognition, costs and revenues are recognized as they occur. Cost postings are continuously matched to revenues and immediately reported as expenses, while revenues are posted to an income statement account.
- Recognition and adjustment postings are generated simultaneously with the transactions. The matching principle is supported inherently and therefore no periodic batch jobs are needed for reconciliation.

The screenshot displays the SAP Fiori 'Event-Based Revenue Recognition' application. On the left, there is a search and filter section with fields for 'Service Document', 'Service Document Item', 'Service Document Type', 'Company Code', and 'Recognition Key'. Below this is a table of 'Service Document Items' with columns for 'Service Document' and 'Service Docu...'. The main area shows the 'Periodical View' for document number '8000043507' and item '10'. A bar chart titled 'Overview' shows 'Billed Revenue & Actual Costs & Recognized Revenue...' for fiscal year 2021. The chart has a legend with five categories: Billed Revenue (blue), Actual Costs (orange), Recognized Revenue (green), Recognized COS (red), and Recognized Margin (purple). The x-axis represents 'Fiscal Year / Fiscal Period' with values 5, 6, and 7. The y-axis represents 'Billed Revenue & Actual Costs & Recognized Revenue...' with values from 0 to 2,000. The chart shows a large green bar for period 5 (1,760), a large purple bar for period 6 (1,760), a small green bar for period 6 (88), a small purple bar for period 7 (88), and a small green bar for period 7 (264).

Fiscal Year / Fiscal Period	Recognized Revenue	Recognized Margin
5	1,760	0
6	88	1,760
7	264	88

[Link to documentation](#)



SAP Fiori

Manage In-House Repair

- Capture received devices for in-house repair and define the follow-up activities.
- Create repair quotations from within in-house repair processes.
- Trigger a credit check for business partners (payers) when editing and release a repair quotation or a repair order
- Plan and schedule repairs and review completed repairs.
- Trigger the shipment and commercial billing process after completing repairs.
- Search for repair objects with flexible filters
- Define individual views
- Trigger follow-up actions on the repair object details
- Obtain a quick overview with the graphical transaction history
- Release the user status for customer individual customizing

[Link to documentation](#)



SAP Manage Repair Objects

Standard

Equipment: Product: Serial Number: In-House Repair: Sold-To Party: Employee Responsible: John Doe X Availability: Go Adapt Filters (2)

Product	Quantity	Serial Number	In-House Repair	Sold-To Party	Employee Responsible	Status
FIN126.MTS-DI.PD.SerialNo NEW-FG126	1	PC 2	1000005282	Domestic US Customer 1	John Doe	In Process
Trad.Good 20,Reorder Point,SerialNo TG20_SERIAL	2	PC 10124202	1000003752	Domestic US Customer 1	John Doe	In Process
Trad.Good 20,Reorder Point,SerialNo TG20	1	PC 20240317073621	1000003344	Domestic US Customer 1	John Doe	In Process
Trad.Good 20,Reorder Point,SerialNo TG20	1	PC 20240317073618	1000003308	Domestic US Customer 1	John Doe	In Process
Trad.Good 20,Reorder Point,SerialNo TG20	1	PC 20240317073612	1000003217	Domestic US Customer 1	John Doe	In Process
Trad.Good 20,Reorder Point,SerialNo TG20	1	PC 20240317073613	1000003217	Domestic US Customer 1	John Doe	In Process
Trad.Good 20,Reorder Point,SerialNo TG20	1	PC 20240317073611	1000003215	Domestic US Customer 1	John Doe	In Process
Trad.Good 20,Reorder Point,SerialNo TG20	1	PC 20240317073610	1000003215	Domestic US Customer 1	John Doe	In Process

SAP Manage Repair Object Details

Trad.Good 20,Reorder Point,SerialNo

TG20_SERIAL

Repair Object: Trad.Good 20,Reorder Point,SerialNo (TG20_SERIAL) Account: Domestic US Customer 1 Status: In Process

Quantity: 1 PC Sold-To Party: Domestic US Customer 1
Serial Number: 10124202 Contact Person: Susan Miller
Equipment: Industrial Pump (10124202) Ship-To Party: Domestic US Customer 1

Decide General Information Notes Service Contracts Transaction History

Create Service Order Quotation
Create a service order quotation for the repair object and define details.

Create Service Order
Create a service order that you use to plan and perform the repair.

General Information

Logistics
Availability: Delivery to Repair Center Pending Customer RMA Number: 0060008354-000010

Notes
Customer Instructions: Quotation is required if repair costs will be more than 1,000 EUR. Examination Results: Error status 4567 displayed. Device to be analyzed by technician.

Service Contracts (2) Standard

Service Contract	Service Contract Item	Validity Start	Validity End
Annual Maintenance (7000002340)	Maintenance Service (100)	01.01.2024, 00:00:00	31.12.2026, 00:00:00
Annual Maintenance (7000002340)	Service Part Discount 20% (200)	01.01.2024, 00:00:00	31.12.2026, 00:00:00

Transaction History



SAP Fiori

Warranty Claim Processing

- Fiori UI for classical capabilities: Warranty Claim Processing

Supplier Recovery

- Create a reimbursement request to a supplier for a complaint or repair of a product. Validate the claim's data, document supplier's responses, and post to the finance.

Customer Facing

- Create and process a warranty claim from a customer (based on a performed repair). Validate the claim's data and eligibility for reimbursement, document the claim decision, and perform the payment.

[Link to documentation](#)

4951
Supplier-Facing Claim

Details

Details	Processing Status	Repair Date	Requested Net Amount	Approved Net Amount
Supplier: Dealer (DEALER01) Object Number: 00000000010000006	Claim Closed (Migrated)	05.01.2022	110.00 EUR	160.00 EUR

General Information | Notes | Item Information | Output Management (IV-3) | Pricing Information | Versions | Attachment(s) | Process Flow | Change

Partner and Repair Details

Partner and Object Data	
Supplier: Dealer (DEALER01)	Coverage Type: -
Object Type: Equipment (EQUI)	Registration Date: 25.10.2021
Object Number: 00000000010000006	Decision: Approved Partially

Warranty Claims Management

- Customer Warranty Claims Overview
- Supplier Warranty Claims Overview
- Manage Customer Claims
- Manage Supplier Claims

Master Data

- Manage Master Warranties
- Display Pricing Condition Records
- Change Pricing Condition Records
- Create Pricing Condition Records

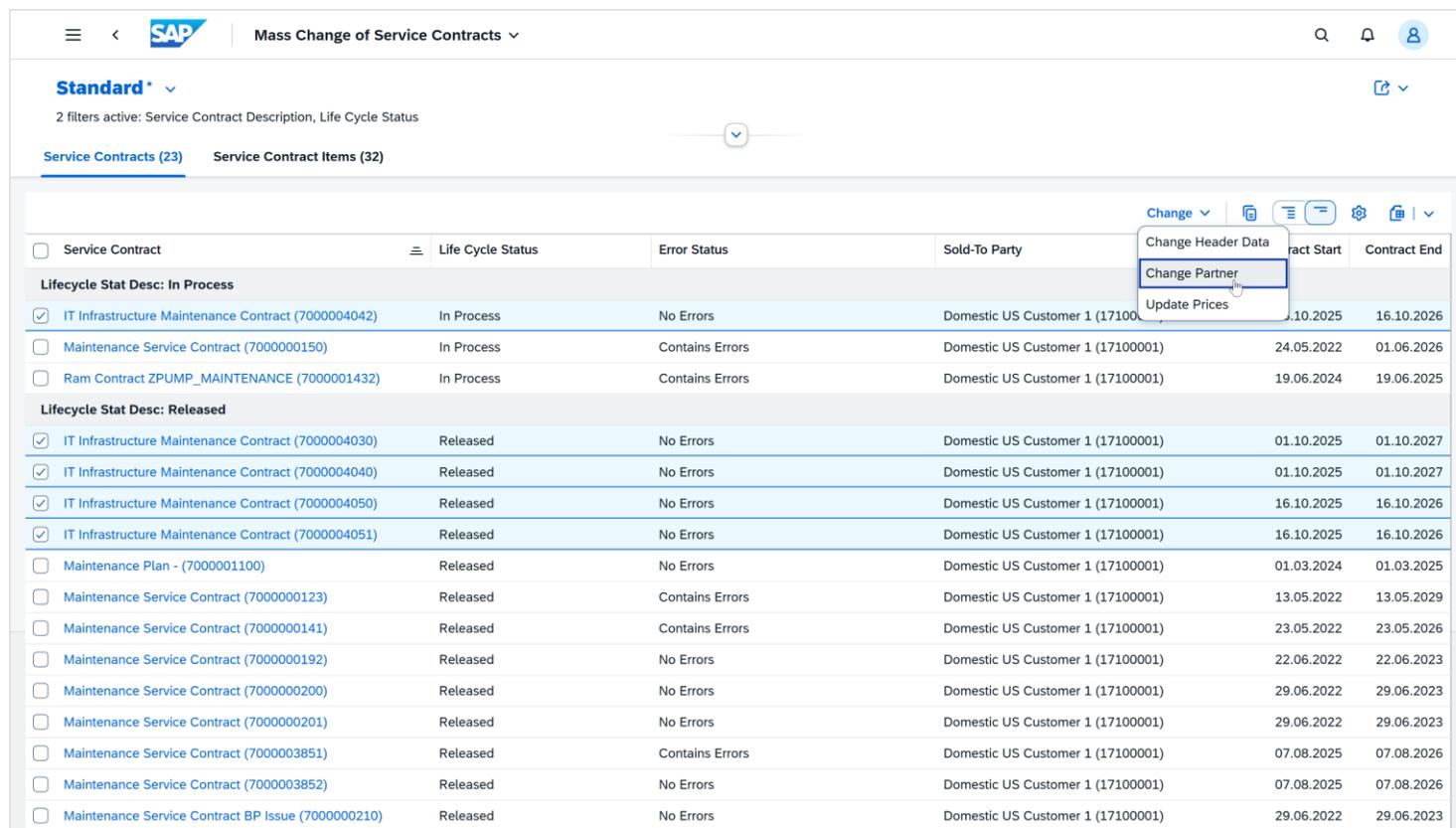
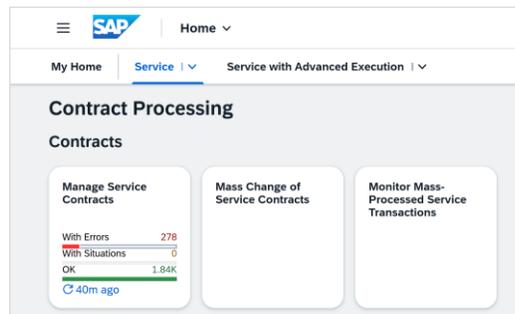


SAP Fiori

Mass Change of service contracts

- You can now request the system to process large volumes of service contracts and service contract items at a time and monitor the corresponding mass processing jobs. You do all this by using the following apps:

- Mass Change of Service Contracts
- Monitor Mass-Processed Service Transactions





SAP Cloud ERP Private differentiators

Joule



Joule

[Fetch Service Confirmation Information](#)

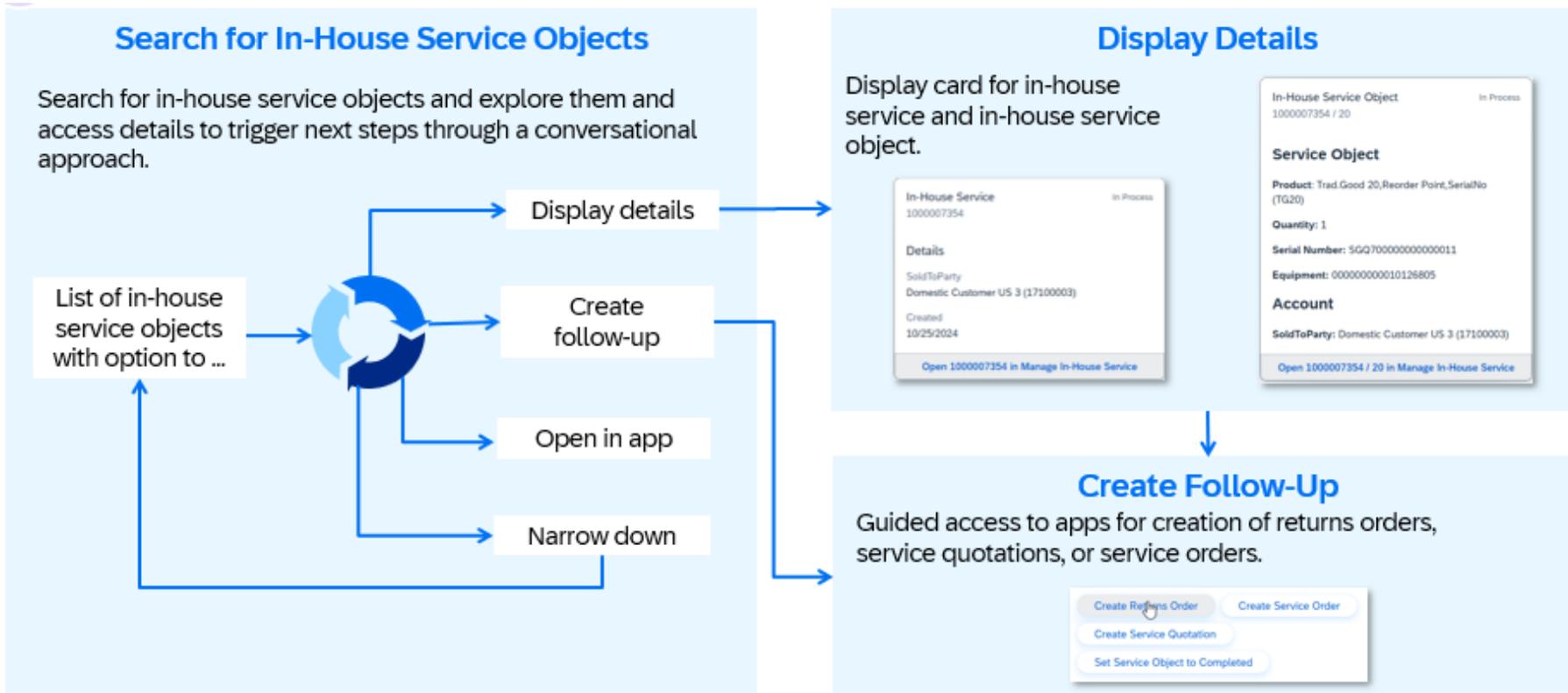
[Complete or Cancel Service Confirmations](#)

[Search and Display Service Orders](#)

[Release Service Orders and Service Order Items](#)

[Fetch Service Contract Information](#)

[Update Service Contract Status](#)





SAP Cloud ERP Private differentiators

SAP Business AI



Intelligent technologies

AI-assisted in-house service initiation

Repair shops receive a significant amount of paperwork. Manually converting this paper-based information into the SAP system is labor-intensive and prone to errors, which can lead to data loss—especially under tight deadlines.

Our new feature leverages the Documented Information Extraction (DOX) AI service to streamline this process:

- **Capture:** Repair staff can simply scan or photograph incoming paper documents (e.g., purchase orders).
- **Process:** The SAP system automatically extracts the necessary data and creates a list of repair objects for the corresponding in-house service.
- **Review:** Repair staff then reviews the generated order and continues processing it to completion.

Manage In-House Repairs

Create In-House Repair from Document

Transaction Type: * In-House Repair

Sold-To Party: * (17100001) Domestic US Customer 1

Ship-To Party: (17100001) Domestic US Customer 1

Contact Person:

Employee Responsible:

Organizational Data

Sales Organization Unit: * (O 50000001) Dom. Sales Org US

Sales Organization: * (O 50000001) Dom. Sales Org US

Distribution Channel: * (10) Direct Sales

Division: * (00) Product Division 00

Repair Objects

Actions	Product	Quantity	Quantity Unit	Equipment	Serial Number	Manufacturer Serial Number
	(SRV_TG01_ROT) Rotor	1	PC	10135597	00000001199228833	
	(SRV_TG01_BLD) BL...	50	PC			
	(SRV_TG01_AIC) Air Coo...	1	PC	10135598	00000005566447733	

Create Cancel

Discovery Center



Intelligent technologies

AI-assisted retrieval of equipment information in service management

Enables service managers with the help of Joule to get a 360° view on services performed on an equipment

- Shows basic details related to an equipment, like description and the attached warranty for both customer and vendor
- Shows the count of currently active and completed service transactions (request, contract, order and confirmation)
- Shows an AI generated summary of the services performed on the equipment (completed, current and planned services, parts replaced, recurring issues) and a recommendation

give me some details for eq 10713958

Technical Object 10713958
Equipment Summary

Details

Description
High Temp Boiler for Nuclear Reactor

Part Information
Manufactured by Akkaya Electricals in DE

Material & Serial Number
-

Year Of Manufacture
2023

Would you like to view some other data?

Equipment Summary Warranty Data Equipment History

Technical Object 10713958
Warranty Information

Customer Warranty

Warranty Start Date
01-01-2022

Warranty End Date
31-12-2029

Vendor Warranty

Warranty Start Date
01-02-2020

Warranty End Date
-2040

Summary of Equipment Services for High Temp Boiler (Equipment ID: 10713958)

Services Completed:

- **Boiler Maintenance:** Several maintenance services have been successfully completed:
 - o A coolant replacement was conducted due to coolant depletion, stabilizing the temperature after overheating issues.
 - o The removal of three dropped screws that were causing noise due to vibrations was successfully completed.
 - o The replacement of a broken dial and an underlying pin was performed.
 - o Another repair for boiler overheating utilizing coolant was completed, which was the second occurrence in the year.

Current Services Execution In-Progress:

- There are no services currently in progress.

Planned or Upcoming Services Scheduled:

- A future maintenance service scheduled for Boiler Maintenance is set to occur from **April 21, 2025, to April 24, 2025.**

Parts Replaced:

Transactions Related to Equipment - 10713958

IHS Related
No

Document Types	Active	Completed
Service Request	2	0
Service Contract	1	0
Service Order	4	0
Service Confirmation	0	0



SAP Cloud ERP Private differentiators

Situation Handling



Intelligent technologies Situation Management

Some examples:

[Service Maintenance Plan Mass Schedule Issue](#)

[Billing for Repair Object Delayed](#)

[In-House Repair Not Confirmed](#)

[Processing of In-House Repair Overdue](#)

[Precheck of Repair Object Delayed](#)

[Service Contract Due to Expire Soon](#)

[Service Contract Item Due to Expire Soon](#)

[Service Contract Item Not Released](#)

[Service Contract with Zero Billing Value](#)

[Service Contract Item Blocked for Billing](#)

Situation templates in Service

Standard* ▾

In-House Repair: Sold-To Party: Contact Person: Employee Responsible:

Repair Object Status:

In-House Repair	Sold-To Party	Contact Person	Employee Responsible
1000000122	CBont Industries	Joe Wills	Ryan Reval
1000000112	CBont Industries	Joe Wills	Ryan Reval
1000000080	CBont Industries	Joe Wills	Ryan Reval
1000000044	CBont Industries	Joe Wills	Ryan Reval

Notifications

Today

- Processing of in-house repair overdue
The overall processing of in-house repair 1000000043, 1000000044, 1000000080, 1000000110, 1000000111,...
8 hours ago [More](#)
- Precheck not completed
Repair object 000010 of in-house repair 1000000043, 1000000110, 1000000111, 1000000120, 1000000130,...
8 hours ago [More](#)
- In-house repair not confirmed
In-house repair 1000000044, 1000000080, 1000000112, 1000000122 was created 1., 1.2, .40., 61 days ago, bu...
8 hours ago [More](#)

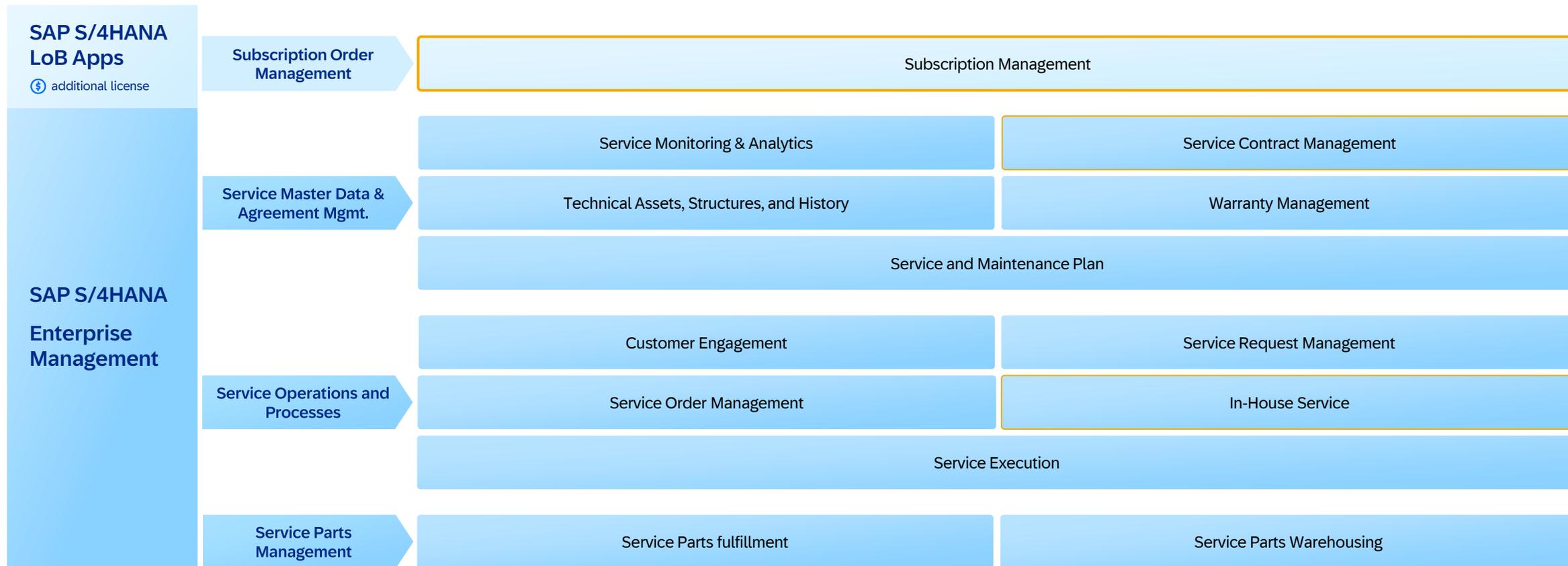
Yesterday

- Processing of in-house repair overdue
The overall processing of in-house repair 1000000043, 1000000044, 1000000080, 1000000110, 1000000111,...
1 day ago [More](#)



New Business Processes

Business Area and Business Capability Overview



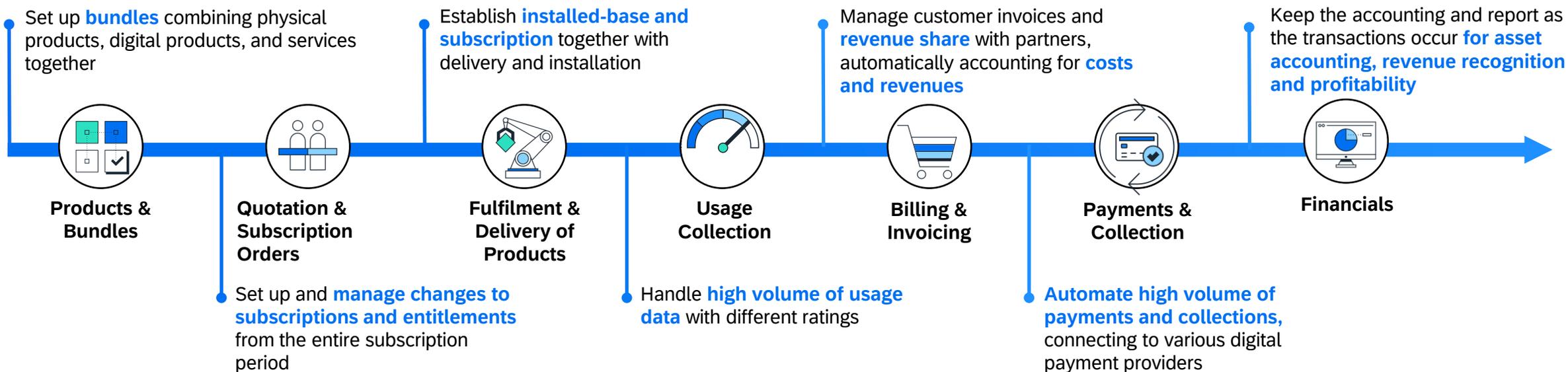
New business capabilities in SAP S/4HANA



New Business Processes and Functionalities

Subscription Order Management | Service Contract Management

Subscription and Pay-per-Use



Example: Subscription for Robotic Painting System

Subscription for Outcome or Usage	
Product	Lease robots (asset owned by you)
One-Off Service	Installation & Training
Service Contracts	Maintenance, repair, parts, consumables
Subscription	Outcome-based subscription <ul style="list-style-type: none"> KPI 1: Number of cars painted KPI 2 :Paint line throughput (cars / hour)

[SAP Community Call recording](#) with system demonstration



New Business Processes and Functionalities

In-House Repair Management (1/3)

Manage repair services in-house for the products and assets returned from customers

- Capture received devices for in-house repair and define the follow-up activities.
- Create repair quotations from within in-house repair processes.
- Trigger a credit check for business partners (payers) when editing and release a repair quotation or a repair order
- Plan and schedule repairs.
- Review completed repairs.
- Trigger the shipment and commercial billing process after completing repairs.
- Process serialized products and non-serialized products as repair objects

The screenshot shows the SAP 'Manage In-House Repair Details' interface. At the top, there's a navigation bar with 'SAP' logo, 'Manage In-House Repair Details', and search options. Below this, the repair ID '1000003905' is displayed with a warning icon and '2' notifications. The main area is titled 'Repair Objects' and shows a progress bar with icons for Precheck, Diagnosis, Quotation, Repair, Bill, and Completed. A table lists repair objects with columns for Repair Object, Equipment, Product, Serial Number, Customer Warranty End, and Status. A dropdown menu is open over the table, listing actions like 'Perform Prechecks', 'Perform Repairs', 'Plan Repairs', 'Prepare for Billing', and 'Process Repair Quotations'. At the bottom, there's a 'Change Documents' section with a table for tracking changes.

Repair Object	Equipment	Product	Serial Number	Customer Warranty End	Status
10	Servo Motor 10270178	Servo Motor ARM-SM-002	PART_401	01.02.2025	Quotation
20	Servo Motor	Servo Motor SM-002	PART_402	01.02.2025	Quotation
30		Motor SM-002	PART_403	01.02.2025	Quotation
40		Motor SM-002	PART_404	01.02.2025	Quotation

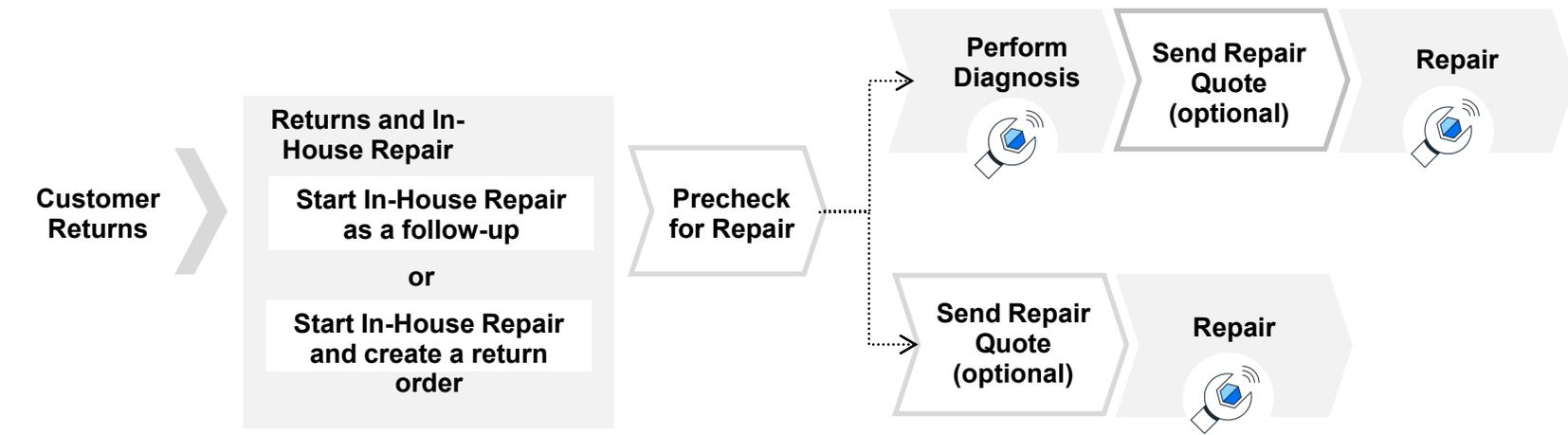


New Business Processes and Functionalities

In-House Repair Management (2/3)

Chargeable Diagnosis for In-House Repair

- Diagnosis is an inspection of the items returned from the customer before full repair work is conducted. Diagnosis can be charged to the customer even when it is deemed that the repair work is not to be engaged.
- This is a practice typically for complex machineries that require efforts for specialized mechanics to ascertain the reparability of the returned items.
- You can use planned costs and revenues that have been incurred during the planning of the diagnosis to calculate the profitability of the repair.



Bill to Customer Perform Diagnosis + Repair =

* It's possible to charge only the diagnosis when customer decides not to proceed with repair

[Link to documentation](#)

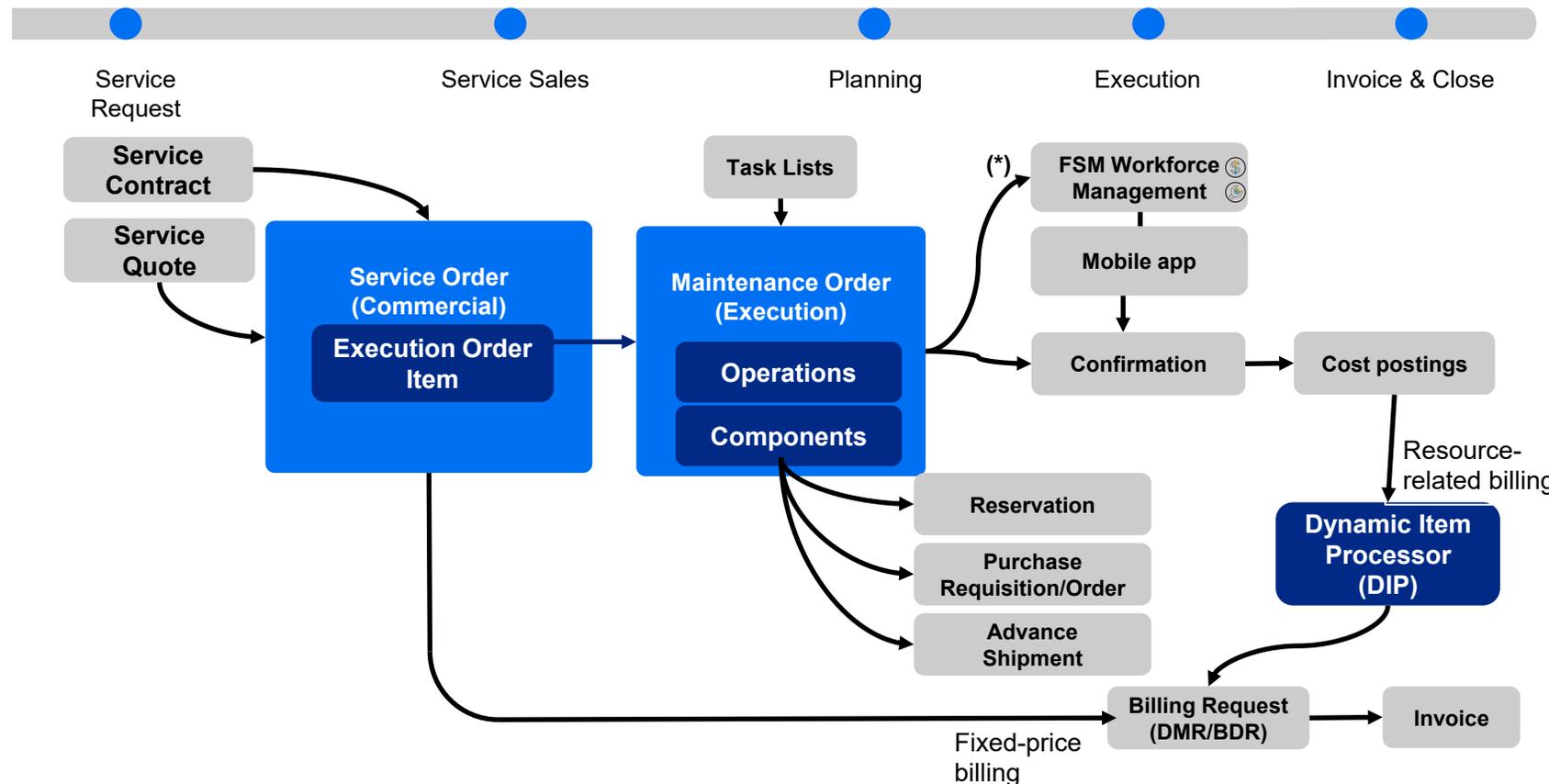


New Business Processes and Functionalities

In-House Repair Management (3/3)

In-house repair with advanced execution

- Advanced execution is a service process that is geared towards complex technical objects that require extensive planning and execution. The core characteristic of this process is the integration of the commercial aspects of Service with the planning and execution capabilities of Maintenance Management (refer to dedicated slides in a later section).
- In-house repair process can also be done through the advanced execution with the maintenance order (execution order).



[Link to documentation](#)

ⓘ additional license
 ⓘ additional installation
 (*) SAP Field Service Management, connector for SAP ERP



New Business Processes and Functionalities

In-House Repair Management | Service Request & Order Management (1/2)

Unified service process combining field service and in-house repair

Field services and in-house services can now be included in a single service order document to better reflect the reality of the complex service business.

Reflects the reality of complex service management process

Customer use case example in screenshot:

Service quote for a field service to dismantle defective components and billable diagnosis in a service center service.

A single service order also reflects the financial and commercial aspects better: profitability in a single service order.

The screenshot displays the SAP Service Station interface. A large circular callout highlights a table of service items:

Product	Item Category
Field Service: Dismantle defective comps	Service Item
In-House: Diagnosis defective comps	Service Item
In-House: Repair defective comps	Service Item
Stock Service Part	Service Part

Another circular callout highlights a table of repair objects within the 'Reference Objects' section:

Item Category	Net Value	Currency	Status
Service: Dismantle defective comps	5,000.00	USD	Completed
Service: Diagnosis defective comps	20	SRV_01	Completed
Service: Repair defective comps	30	SRV_01	Completed
Stock Service Part	40	SRV_05	Completed

Below this, a table titled 'Repair Objects (In-House Repair)' is shown:

Actions	In-House Repair	Repair Object	Equipment ID
	1000003969	10	10126097
	1000003969	20	10126098

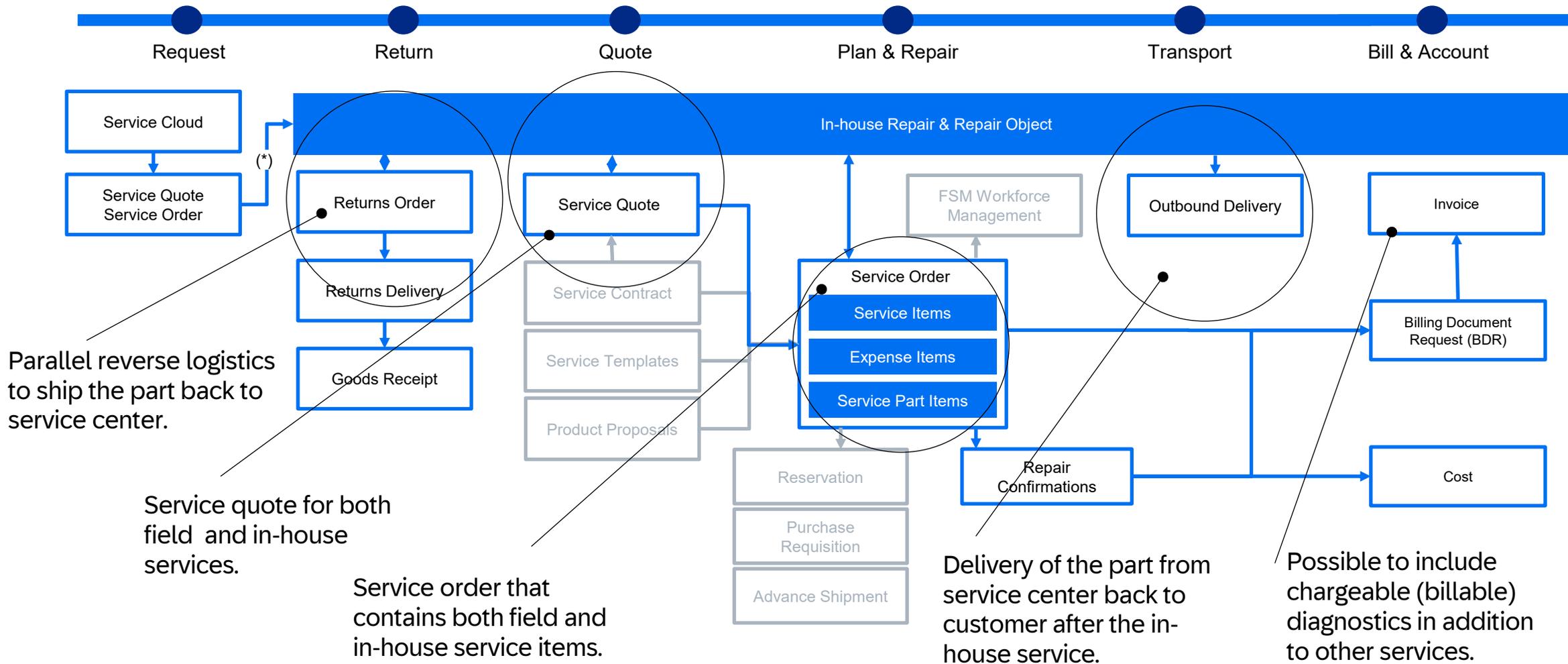
Text annotations on the screenshot state: 'In-house service objects Repair objects can now be entered directly within a service order.' and 'Reference Objects'.

[Link to documentation](#)



New Business Processes and Functionalities

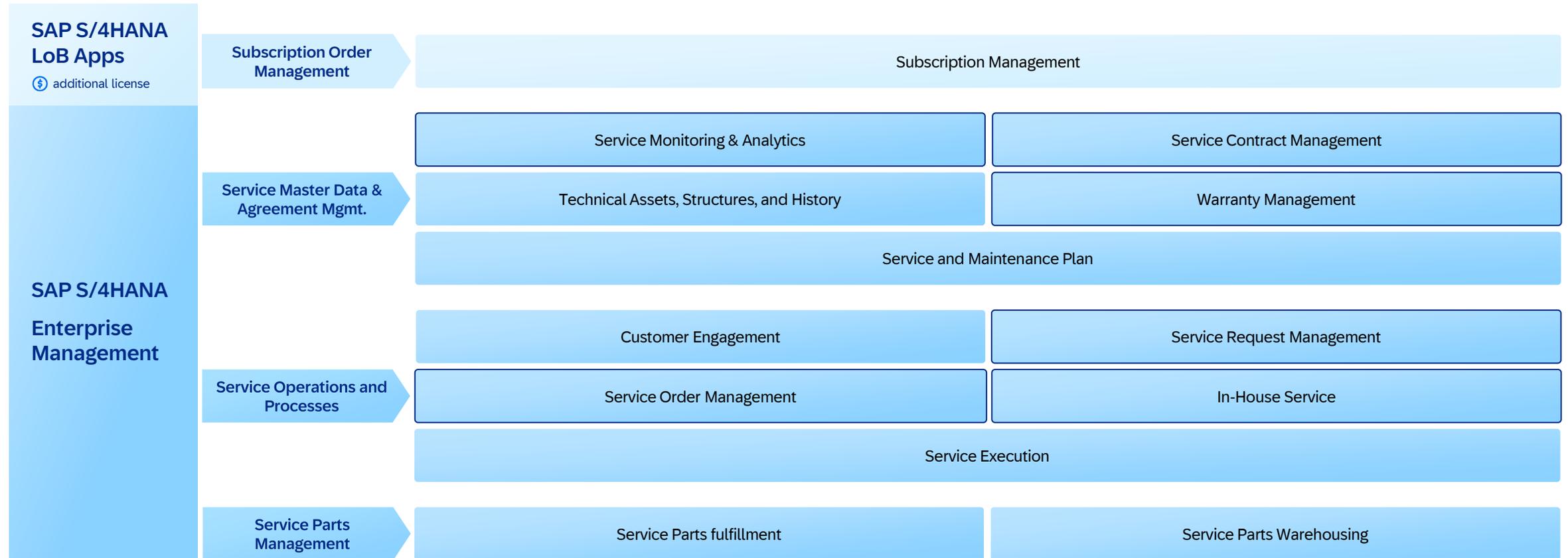
In-House Repair Management | Service Request & Order Management (1/2)





Updated Business Processes

Business Area and Business Capability Overview



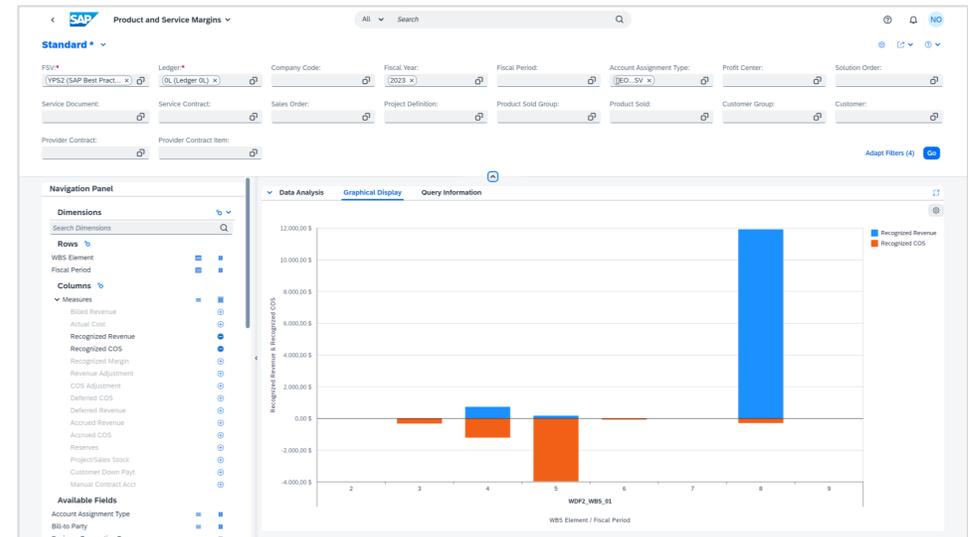
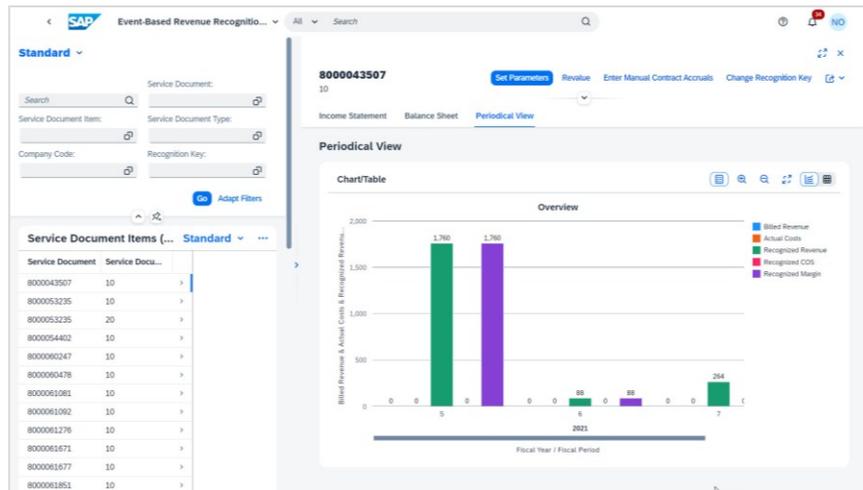
Updated business capabilities in SAP S/4HANA



Updated Business Processes and Functionalities

Service Order Management | Service Monitoring & Analytics

Item-Based Accounting in Service (1/2)



- Record cost and revenue that have been incurred by service transaction items **directly in the Universal Journal**
- For service order items, service contract items, item-based accounting enables **event-based revenue recognition**.
- Enter **tools** for service orders, service quotations and service confirmations

- **Real-time profitability** of your service business
No need to wait for period closing activities and other data warehouse tools
- **Foundation and prerequisite for future innovations** in the service line of business

[Link to documentation](#)

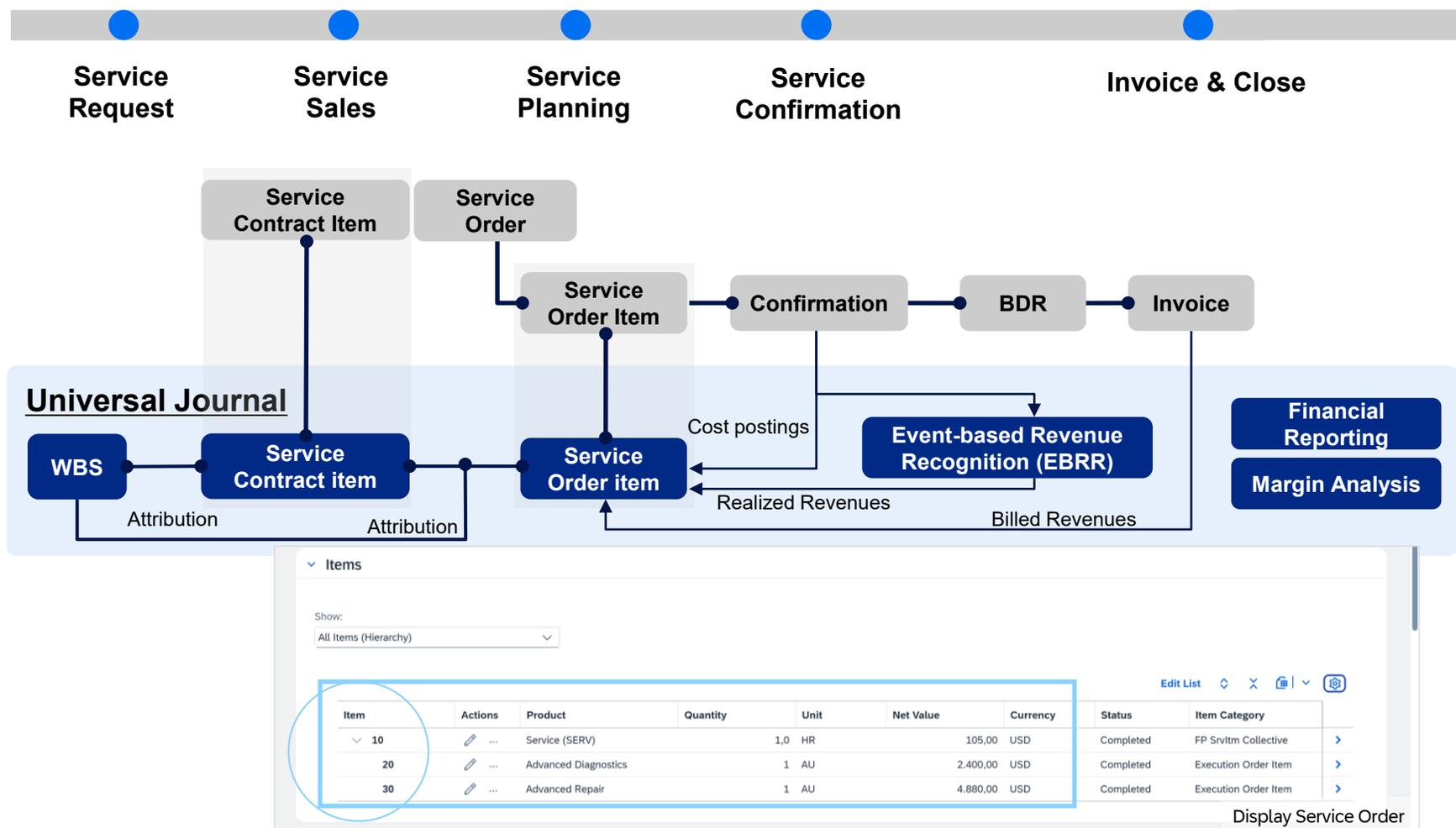


Updated Business Processes and Functionalities

Service Order Management

Item-Based Accounting in Service (2/2)

- The financial costing flow in the classic way in the service line of business has thus far been to use the internal order.
- The new Item-Based Accounting in Service eliminate the need for the internal order, and posts the costs and revenue directly in the Universal Journal (refer to diagram).
- This enables the new margin analysis and even-based revenue recognition (EBRR) for service transactions for various revenue recognition methods.
- Make use of a service hierarchy with collective accounting by grouping service line item to a bundle for flexible business reporting





Updated Business Processes and Functionalities

Service Order Management

Service with Advanced Execution (1/2)

- The new Service with Advanced Execution is a service process that is geared towards services that have longer service cycles and complex technical objects that require extensive planning and execution.
- The core characteristic of this process is the integration of the **commercial aspects of Service** with the planning and **execution capabilities of Maintenance Management**.
- RRCO items mirroring planned labor and materials from a linked billable maintenance order as cost-estimate subitems. Resource-related Cost (RRCO) items are supported in service quotations and service orders.

[Link to documentation](#)

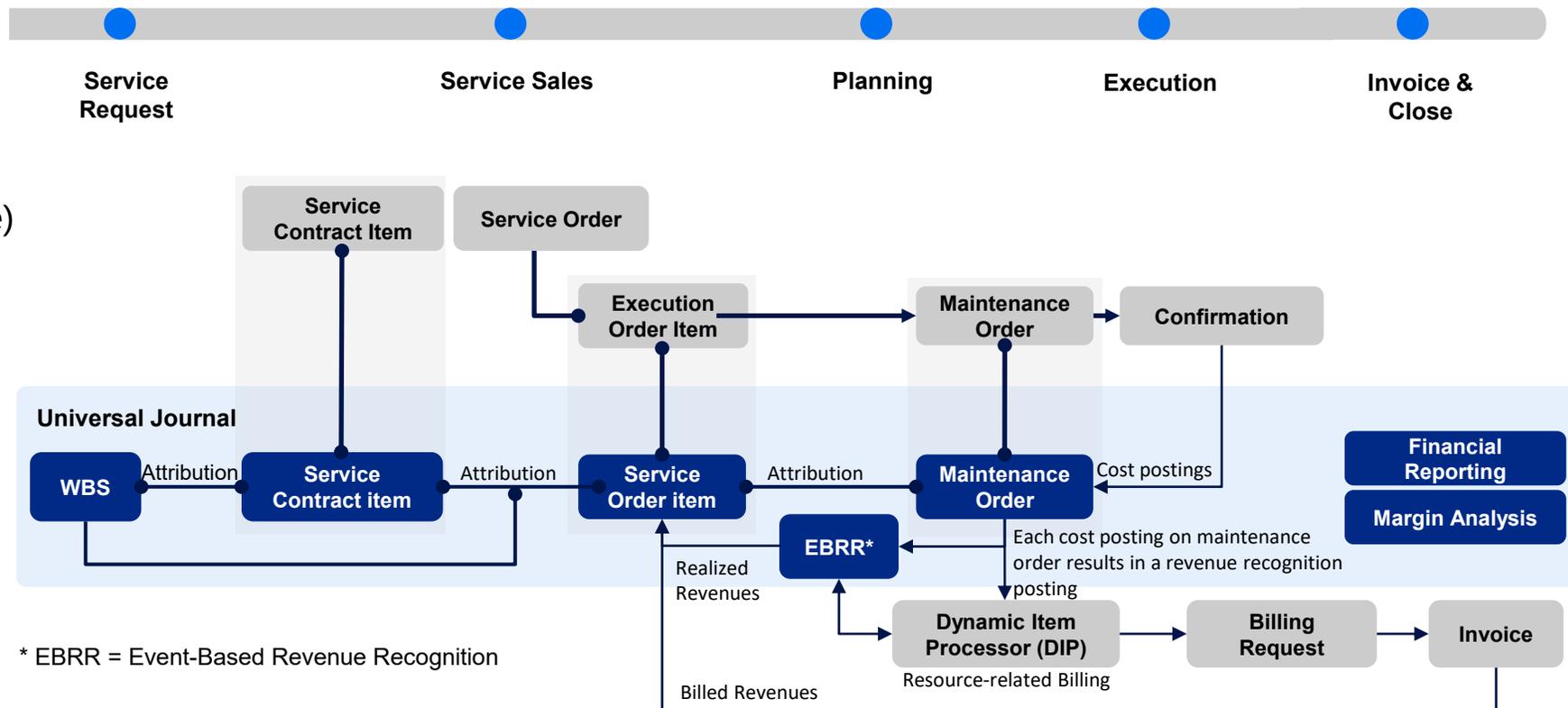


Updated Business Processes and Functionalities

Service Order Management

Financial Flow for Service with Advanced Execution

- Item-Based Accounting (prerequisite) enables the real-time **margin analysis** for your service business
- **Event-based revenue recognition (EBRR)** ensures accurate financial accounting for long-running services for various revenue recognition methods.



[Link to documentation](#)



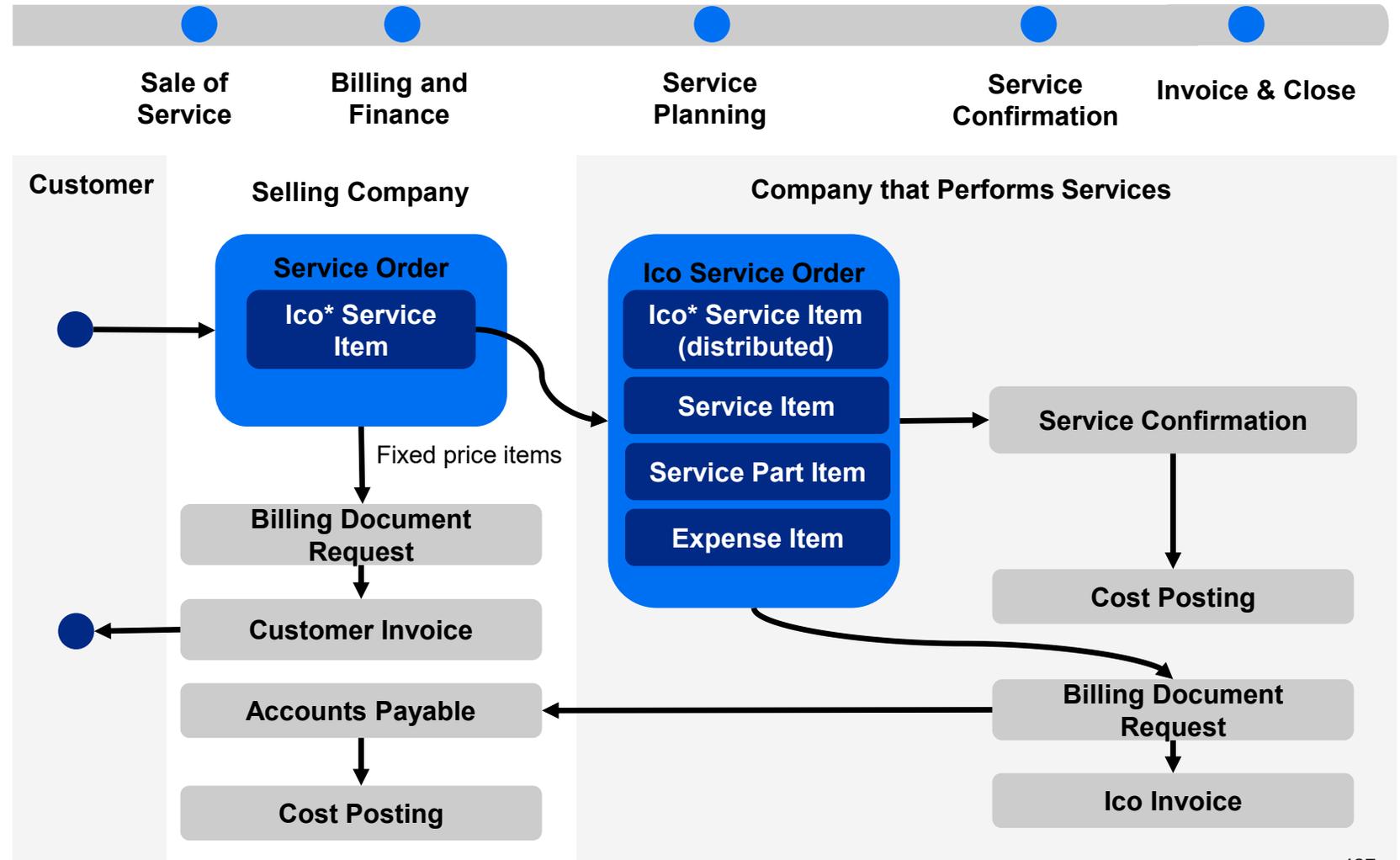
Updated Business Processes and Functionalities

Service Order Management

Intercompany Service Orders

- Distribute a service to another company using an intercompany service order. The intercompany processing enables you to sell a service to a customer and distribute it to another organization for execution.
- Use only a fixed price service item for an intercompany service order
- Cascade Intercompany Items
- When receiving an intercompany item from a company that sells a service, you can forward this intercompany item to another company so another company can execute the service.
- Item-Based Accounting is a prerequisite

[Link to documentation](#)



* Ico = Intercompany

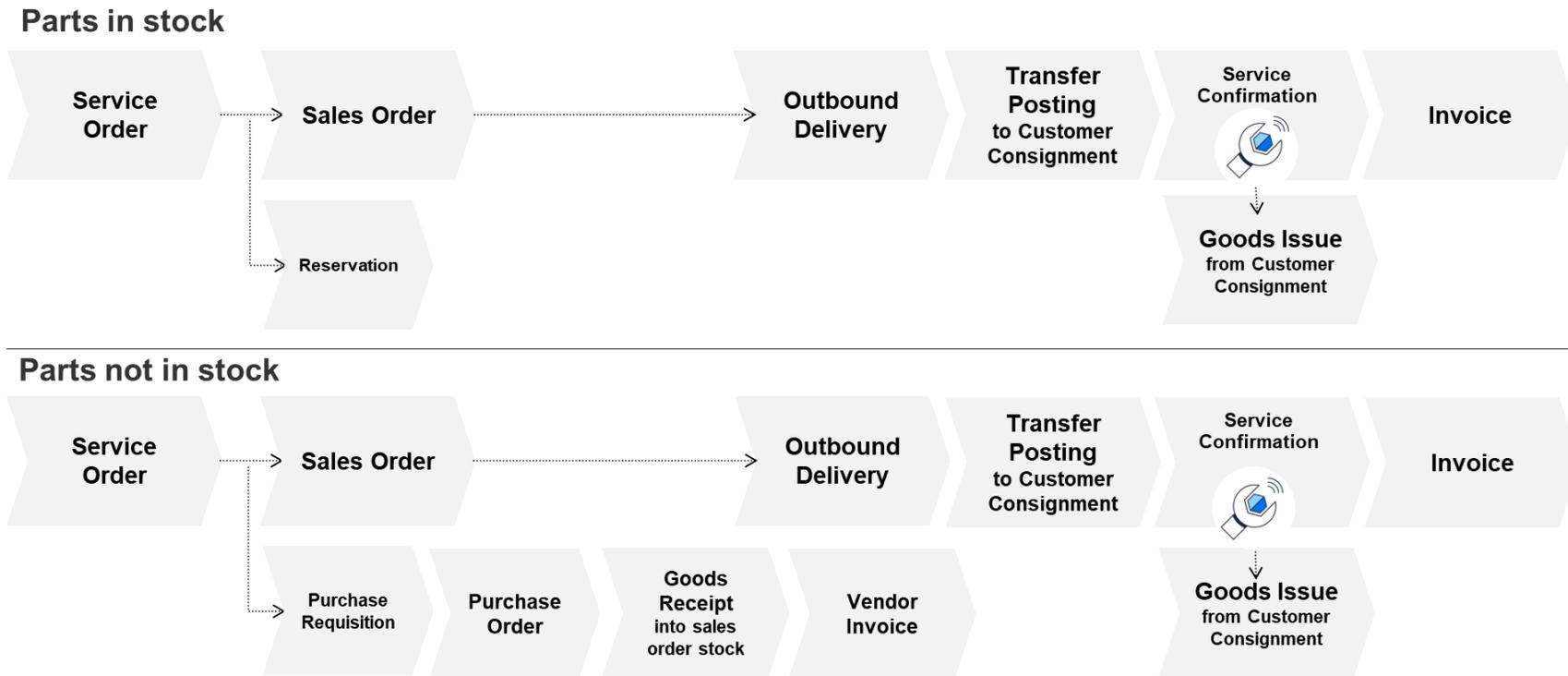


Updated Business Processes and Functionalities

Service Order Management

Advance Shipment

- Advance Shipment enables the shipment of service parts to the service technician or the customer before the repair, typically used when the part is too bulky to be carried in a technician's van.
- The service parts are already in stock in a warehouse (parts in stock)
- The service parts aren't in stock and must be procured from a supplier (parts not in stock).



[Link to documentation](#)



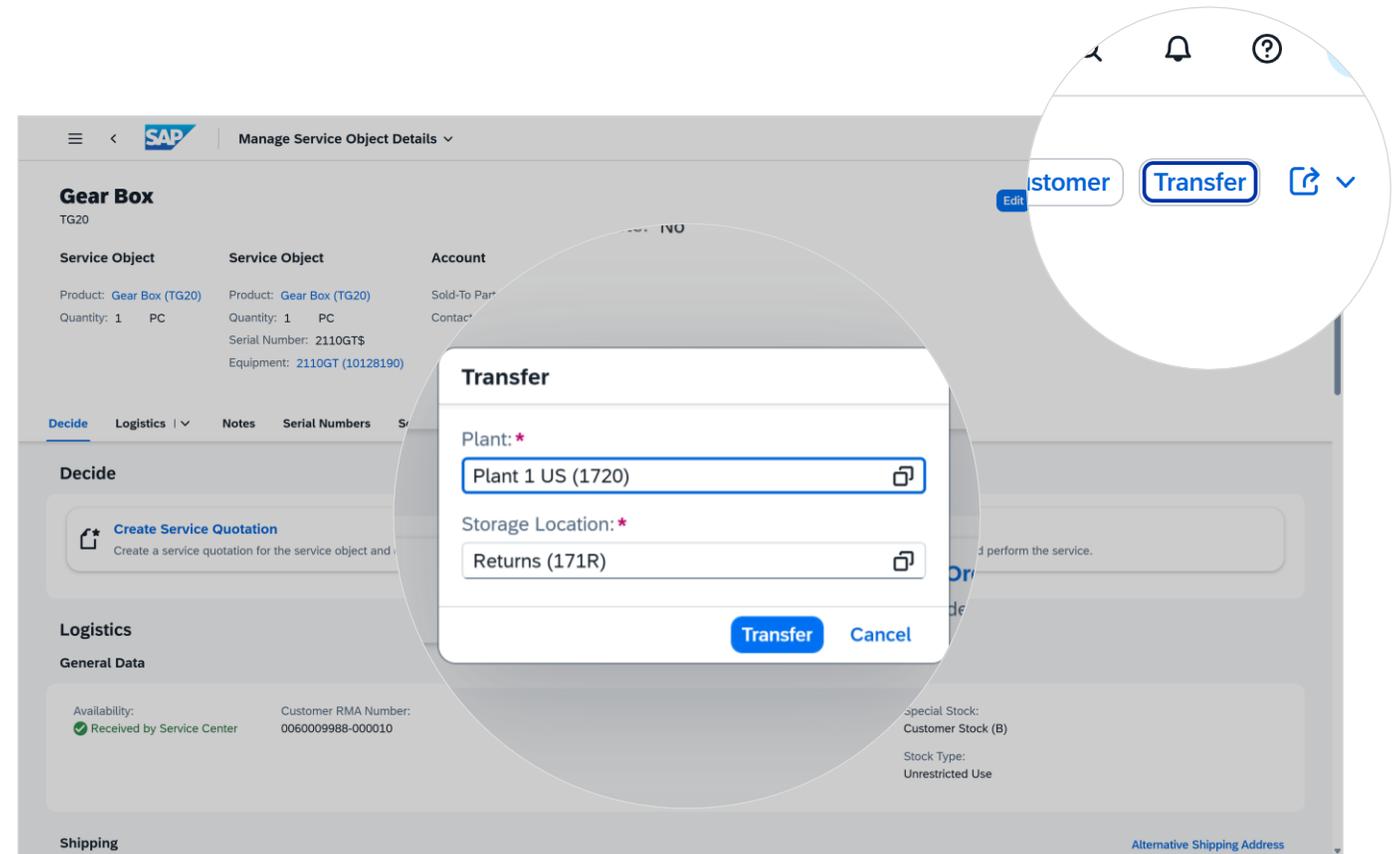
Updated Business Processes and Functionalities

Inhouse Service

Split and linkage between the service order (service operations) and in-house service object (logistics and tracking).

The in-house service object concentrates logistics moves and status tracking throughout the in-house service operations.

- Post service objects to customer stock
Newly supports Customer stock (B) in addition to existing returns order stock (E).
- Receive service objects using inbound deliveries
Newly supports creating an inbound delivery in addition to a customer return order.
- Transfer service objects to another service center (intracompany transfer)
Built-in intra-company logistics to transfer repair objects between plant/storage locations within the same company code*.



* Intercompany movement is in future [road map](#).



Updated Business Processes and Functionalities

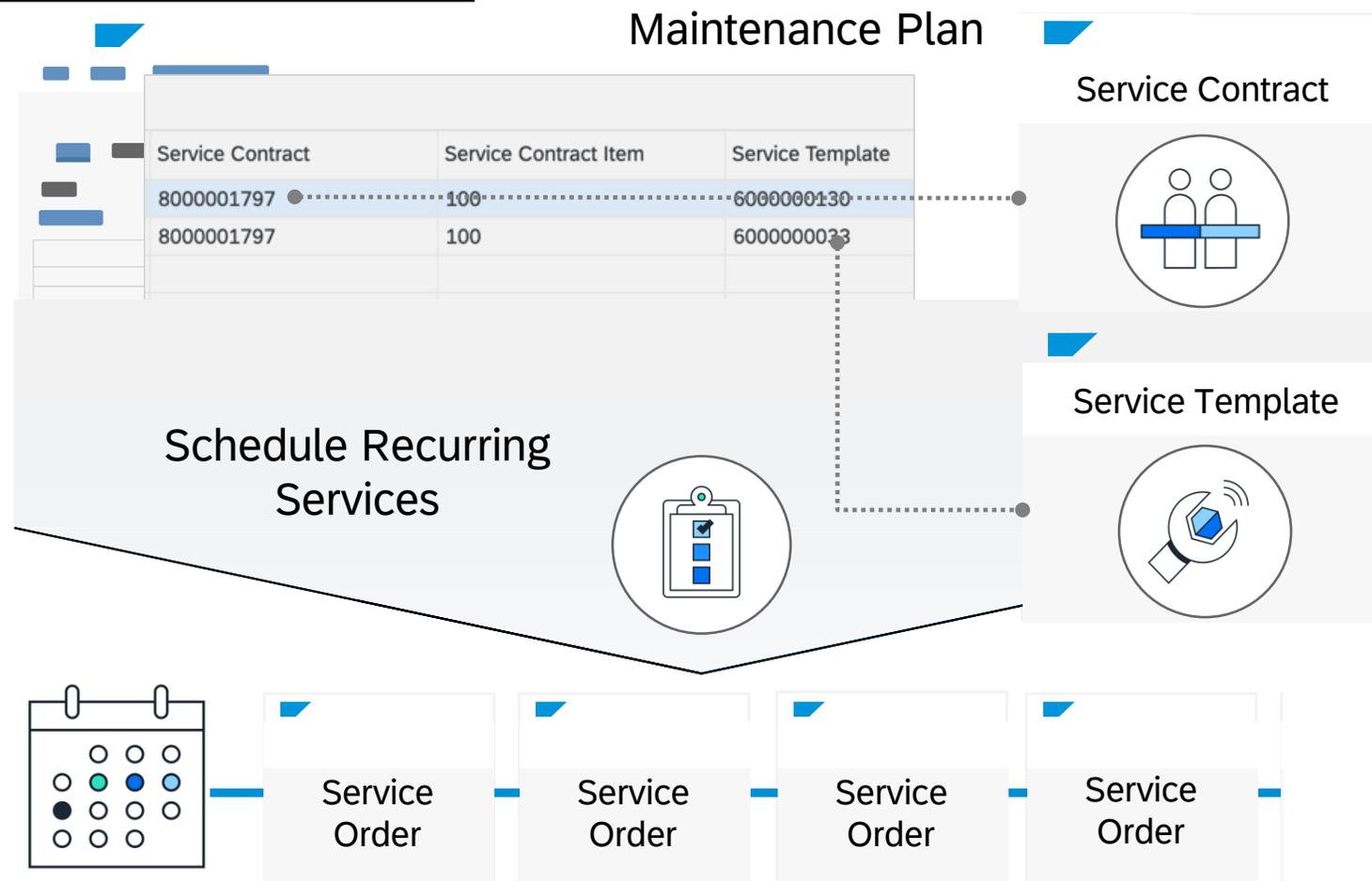
Service and Maintenance Plan | Service Order Management

Recurring Service Planning and Scheduling

Plan and schedule recurring services using maintenance plan and service templates, linked with service contracts.

- Link recurring services with service contracts.
- Leverage the familiar maintenance plan master data record.
- Automatically generate service orders with pre-defined service templates.
- You can now create and schedule maintenance plans using the service order quotation as a call object.

[Link to documentation](#)





Updated Business Processes and Functionalities

Service Contract Management | Service and Maintenance Plan | Technical Assets, Structures, and History

Service Contract, Recurring Service Planning and Scheduling

Plan and schedule recurring services using maintenance plan and service templates, linked with service contracts.

Service Maintenance Plan

- Display of service planning history

Service Contracts Management

- Ad-hoc billing for service contracts
- Auto renewal of price adaptation items
- Header price agreements in service contract

[Link to documentation](#)

10002798
STB long material number

Category: Machines (M) System Status: AVLB Object Overview
Type: -- User Status: --
Class: ETM_EX_CRAWLER Original Files: 0

Maintenance Items for Service

Maintenance Item	Maintenance Plan	Service Contract	Service Contr...	Service Order Template
Item 10 (6836)	Item 10 (3286)	2020.01.01 - 2020.06.01 (8000001735)	100	2020.01.01 - 2020.06.01 (6000000029)
2 (6819)	MP AIAL Test04 (3273)	Change Process Lena8 (8000000240)	100	Test Template 22 (6000000022)
2 (6817)	MP AIAL Test03 (3272)	Change Process Lena8 (8000000240)	100	Test Template 22 (6000000022)

History

Service Contract: 8000028432

Situations Service Contract Details Price Agreement Items Cancellation Scheduled Actions Organizational Data Transaction History Attachments Output Control

Released 28.03.2023 00:00

Sold-To Party: Andersons and Sons
Contact: WDF1 Tester 2
Employee Responsible: Ms. Barbara Lee

Net Value: 0.00 USD
Gross Value: 0.00 USD
Billing Value: 0.00 USD

Price Agreement

Actions	Condition Record No.	Condition Type	Condition Amount	Condition Currency	Valid From	Valid To
	\$800000001	DSC3	15.00 %		28.03.2022	31.12.9999

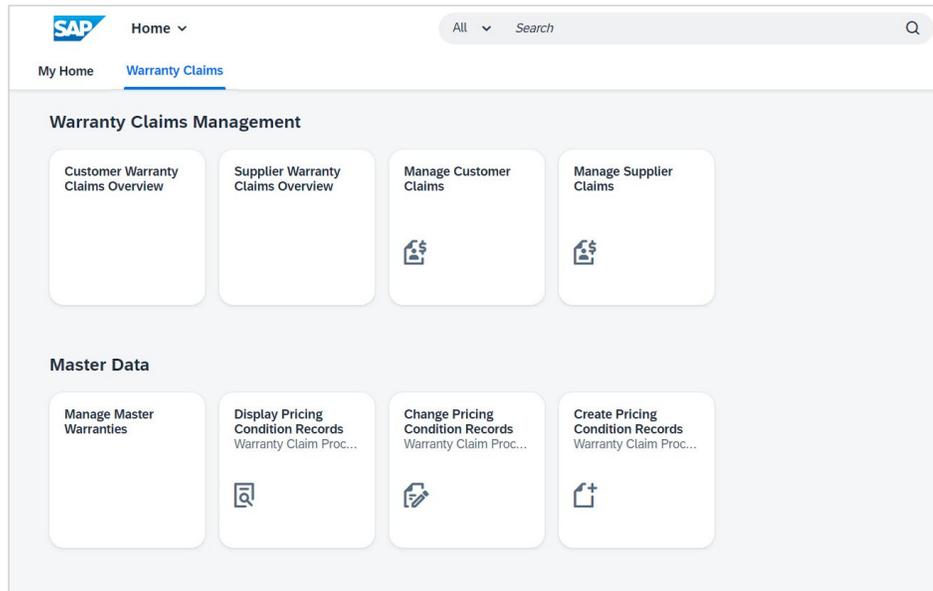
Items



Updated Business Processes and Functionalities

Warranty Management

The warranty claim processing capabilities of SAP S/4HANA let your business manage correspondence of warranty claims, whether your organization is the warrantee or warrantor.



[Link to documentation](#)



Updated Business Processes and Functionalities

Warranty Management

Warranty management has been enhanced with new features to allow you more control and flexibility in its use:

- Copying accounting indicator from master warranty, which enables automatic price change
- Display of warranty counter information in the Warranty assignment block
- Considering expired warranty when creating or changing service transactions
- Warranty period
- An Under Warranty checkbox to indicate warranty determination on item level of a service transaction
- Filter and search service transactions based on the warranty status. The warranty status is also displayed in the result list.

The screenshot displays the SAP Service Orders interface for a 'Service Order: 8000563370, Regular Remote Service'. The 'Items' tab is active, showing a table with columns for Actions, Item No., Quantity, Unit, Product, Accounting Indicator, Net Value, Currency, and Status. A row is highlighted with a purple box, showing '10' items of 'Regular Remote Monitoring' with an accounting indicator of 'Z special price discount', a net value of '0,00', and a status of 'Released'.

Below the items table, the 'Warranty' section is expanded and highlighted with a purple box. It contains a table with columns for Warranty Counter, Current Usage, Maximum Warranty, Remaining Warranty, and Unit. The data row shows a 'Warranty Period' from '07.02.2025' to '31.01.2027' with a 'Remaining Warranty' of '723' days.

Other sections visible include 'Qualification Requirements', 'Notes', and 'Attachment'.



Out-of-the-Box Integration

Delivering a unified service resolution



Customer Service

- Chat
- E-mail
- IOT
- Phone
- Ticket
- SLA & Entitlement
- Timeline & 360°
- KB

Service Operations

- Quoting
- Repair
- Maintenance
- Installation
- Contract & Warranty
- Spare Parts
- Billing & Finance

Field Service

- Dispatching
- Confirmation
- Mobile
- Crowd
- Self
- Smartforms

SAP Asset Performance Management

- Predictive Service
- Asset Health
- Asset Performance



Out-of-the-Box Integration

SAP Field Service Management: Extending the capabilities of SAP S/4HANA Cloud

AI Enabled Integrated Field Service

Extended Field Service Capabilities



Customer Engagement



Asset Health



Asset Strategy



Asset Collaboration



Asset Visualization



Additional Mobile Personas

SAP Field Service Management

Schedule/Dispatch

Service Map

Mobility

Crowd Workforce

Skills Management

Time & Material Journal

AI Scheduling & Optimization

Customer Self-service

Smartforms

Business Rules/Configuration

Extensions

Reporting & Analytics

SAP S/4HANA Cloud



Service



Asset Management



Human Resources



Finance & Accounting



Sourcing & Procurement



Supply Chain



Inventory Management



Invoicing



Time & Payroll



Projects



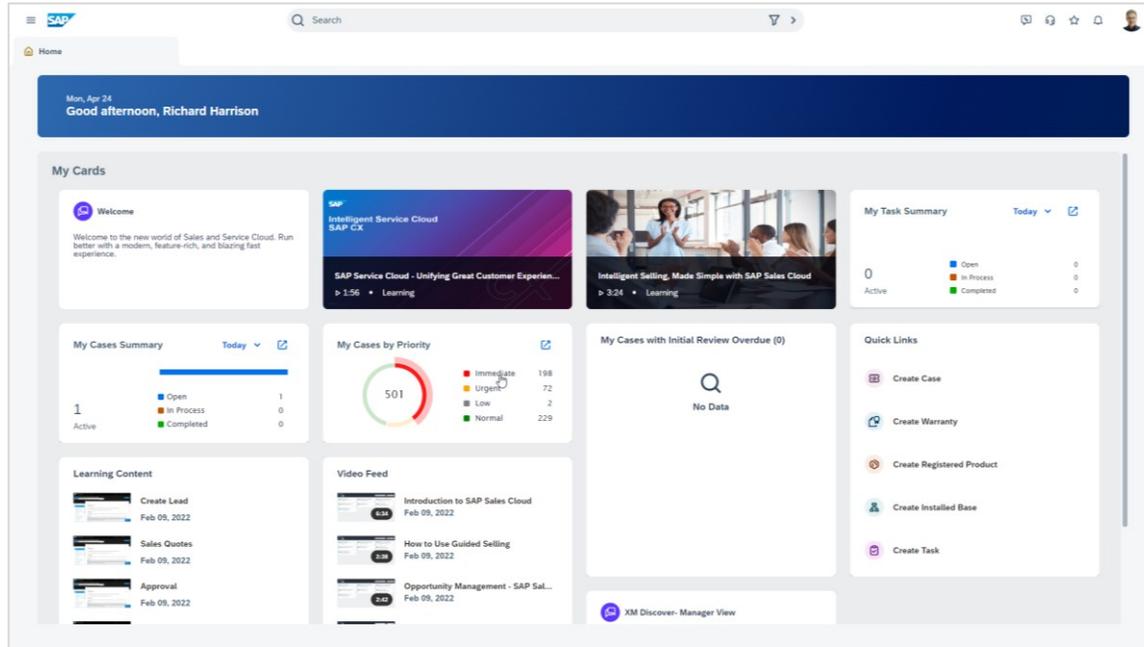
Health & Safety



Sales



Out-of-the-Box Integration SAP Service Cloud: Customer Engagement

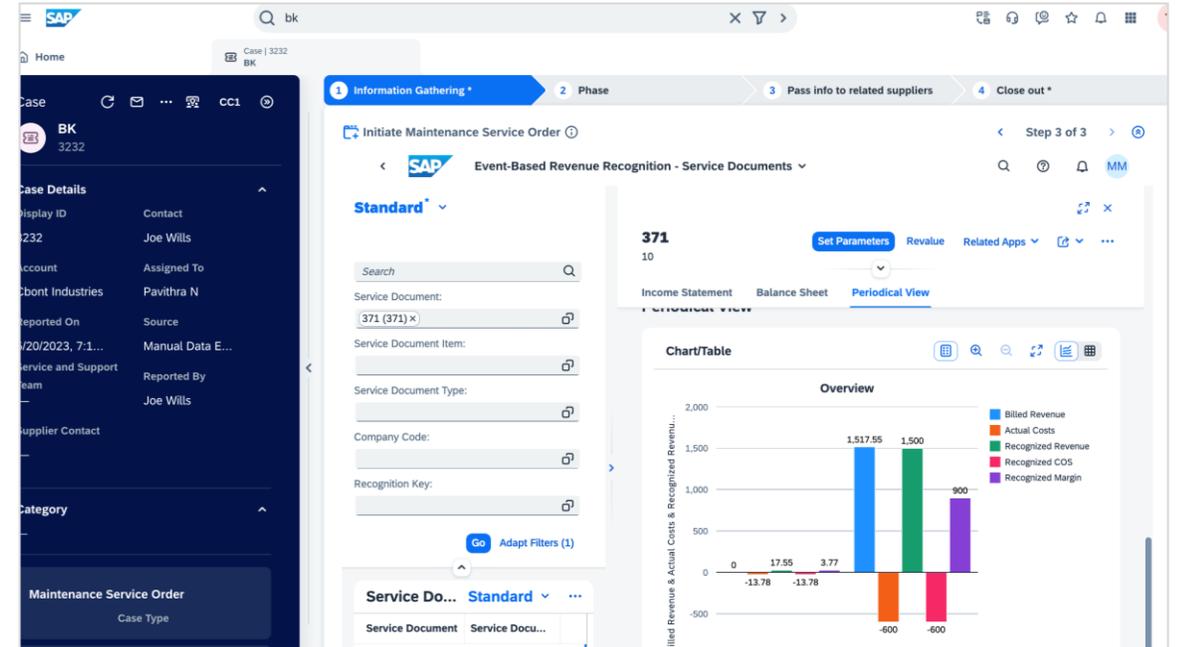


Engage at the point of need

Reduce customer effort and drive loyalty. Simplify agent experiences to improve employee motivation and productivity.

Connect to the value chain

Collaborate to diagnose and resolve and speed up issue resolution with process orchestration. Unleash the power of data to fix issues before they become problems.



Deliver greater profitability

Increase the business impact of customer service and solve issues faster with connected customer service. Improve customer satisfaction and maximize the business impact

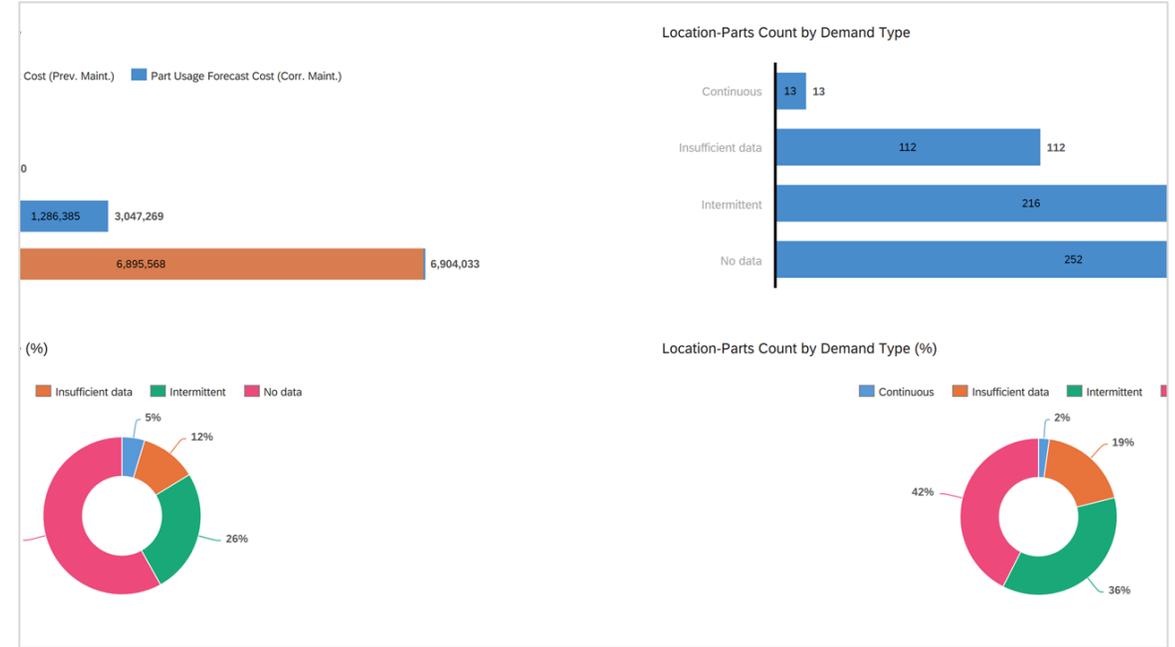


Out-of-the-Box Integration Maintenance, Repair and Operations: Spare parts & resource planning with SAP IBP

The screenshot shows the SAP Planner Workspace interface. On the left, there are 'Spares Availability Alerts' with details for 'Projected Stock' (e.g., -2.00 EA, High severity). The main area displays a table titled 'Projected Stock of Spare Parts' with columns for Location ID, Component ID or Main..., Component Descr or..., Key Figures, and various planning weeks (2020 CW46 to 2020). The table lists various components like HOSENONMITL, SWITCHPRESS, and WASHERFLAT with their respective stock levels and demand forecasts.

Evolve from reactive inventory consumption planning to maintenance-driven parts planning
Moving from reactive planning to preventive planning, avoiding costly asset downtime.

Improve visibility & exception management
Bring together insights from reactive, corrective and preventive demand streams as well as financial data.



Include labor plans
Insights into cost and availability of the labor needed to perform the maintenance.

Reduce working capital
Avoid overstocking while at the same time keeping parts availability high.



Out-of-the-Box Integration Aftermarket: Service Parts End-to-End Planning

The screenshot shows the SAP DRP Matrix for product SPP-DRP-100 at location SPP1. The table displays demand planning data from 2021 to 2022. Key rows include Total Gross Demand, Total Gross Receipt (Confirmed), Initial Warehouse Stock, Projected Stock, Supply Shortage, Planned Minimum Safety Stock Level, Minimum Net Demand, and various Net Demand calculations (Rounded, Unconstrained, Adapted, Constrained). The data is color-coded by status: red for overdue, yellow for warning, and green for OK.

	Overdue	29.11.2021	30.11.2021	01.12.2021	02.12.2021	03.12.2021	06.12.2021	07.12.2021	08.12.2021	09.12.2021	10.12.2021	13.12.2021	14.12.2021
Total Gross Demand	7,951,125	1,985,170	187,180	564,179	745,180	564,179	187,180	1,122,179	187,180	564,179	745,180	564,179	187,180
Total Gross Receipt (Confirmed)													
Initial Warehouse Stock	200,000												
Projected Stock							4,456,807	5,579,628	5,392,448	4,828,269	6,328,089	5,763,910	5,576,730
Supply Shortage	7,351,125	9,336,295	9,523,475	10,087,654	10,832,834	11,397,013							
Planned Minimum Safety Stock Level		4,456,331	4,456,331	4,456,331	4,456,331	4,456,331	4,456,331	4,456,331	4,456,331	4,456,331	4,456,331	4,456,331	4,456,331
Minimum Net Demand													
Rounded Net Demand (Simple)	7,351,125	6,441,501	187,180	564,179	745,180	564,179	187,180	1,122,179	187,180	564,179	745,180	564,179	187,180
Rounded Net Demand (Unconstrained)	7,352,000	6,441,000	2,245,000				2,245,000				2,245,000		
Rounded Net Demand (Adapted)							16,040,524	1,121,703			373,242		
Rounded Net Demand (Constrained)							16,041,000	2,245,000			2,245,000		
Matr. Receipt from Supplier (Not Frozen)													
Mat. Receipt from Supplier (Unconst.) by Ship Date	16,038,000	2,245,000					2,245,000		2,245,000				

Enable real-time and network-based planning and end-to-end visibility for aftermarket business units with complex and volume intense processes.

Leverage dedicated process support, from specific forecasting models, over EOQ & safety stock calculations, to distribution requirements planning and deployment (and more) in one single tool.

Reduce inventory investment while keeping or even increasing customer service levels.

Streamline and automate processes and increase planner productivity, e.g. through workflows, alerts, analytics and ML based forecasting.

The screenshot shows the SAP Forecasting interface for product SPP-FCST-100 at location SPP1. The table displays forecasting data from 2021 to 2022. Key rows include Demand: Final History, Demand: Outlier Correction, Demand: Std Dev. Outlier Correction, Demand: Forecast, Demand: Expost Forecast, Demand: Disaggregated Forecast, Demand: Manual Forecast, Demand: Manual Disag. Forecast, Demand: Final Forecast, Demand: Std Dev. Forecast, Demand: Std Dev. Disag. Forecast, Demand: Std Dev. Final Forecast, and Demand: MAD. The data is color-coded by status: green for OK, yellow for warning, and red for overdue.

	M 08.2021	M 09.2021	M 10.2021	M 11.2021	M 12.2021	M 01.2022	M 02.2022	M 03.2022	M 04.2022	M 05.2022	M 06.2022	M 07.2022	M 08.2022
Key Figures													
Demand: Final History	11,007,819	15,210,000	14,760,900	6,067,896									
Demand: Outlier Correction	11,007,819	15,210,000	12,706,594	5,749,533									
Demand: Std Dev. Outlier Correction	4,480,401	4,480,401	4,480,401	4,480,401									
Demand: Forecast	11,451,887	16,496,285	12,258,554	7,997,694	4,871,441	5,069,252	10,570,098	16,813,499	11,253,382	6,695,469	3,039,976	5,675,814	12,702,014
Demand: Expost Forecast	11,451,887	16,496,285	12,258,554	7,997,694									
Demand: Disaggregated Forecast													
Demand: Manual Forecast													
Demand: Manual Disag. Forecast													
Demand: Final Forecast				11,739,100	11,739,100	11,739,100	11,739,100	11,739,100	11,739,100	11,739,100	11,739,100	11,739,100	11,739,100
Demand: Std Dev. Forecast	1,217,860	1,629,620	2,642,524	4,203,375	2,813,346	1,673,867	1,700,599	1,418,953	3,175,503				
Demand: Std Dev. Disag. Forecast													
Demand: Std Dev. Final Forecast				4,876,335	4,876,335	4,876,335	4,876,335	4,876,335	4,876,335	4,876,335	4,876,335	4,876,335	4,876,335
Demand: MAD	974,288	1,303,696	2,114,020	3,362,700	2,250,676	1,339,094	1,360,479	1,135,163	2,540,403				

Read more on [SAP S/4HANA Cloud for Service Parts Management](#)



Out-of-the-Box Integration SAP Field Service Management: Planning and Dispatching

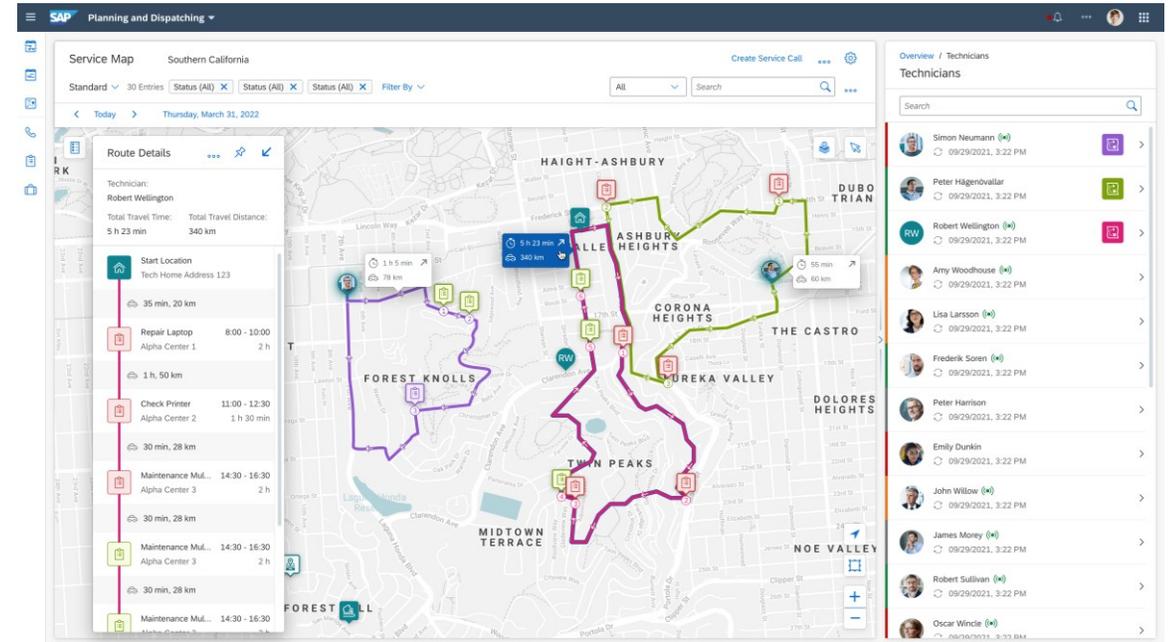


Accelerate service execution

Leverage digital technologies to optimize field service operations for increased efficiency, reduced costs, and improved customer satisfaction.

Cut resolution times with skills management

Define job and equipment requirements and manage technicians skills to validate the right technician will be assigned for each job.



Optimize resource utilization and minimize idle time

Schedule, dispatch and track jobs and workers in real-time and assisted by AI based on a Gantt chart or map view.

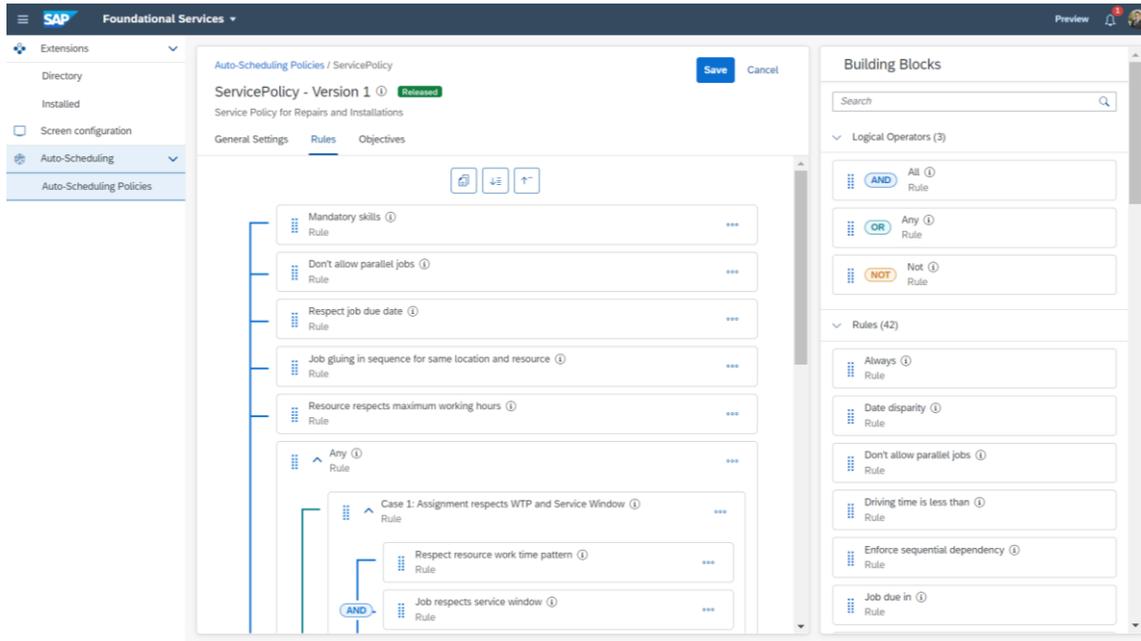
Improve productivity by visualizing routes

View planned routes on the service map and plan directly from the map with a focus on optimizing routes and minimizing travel time.



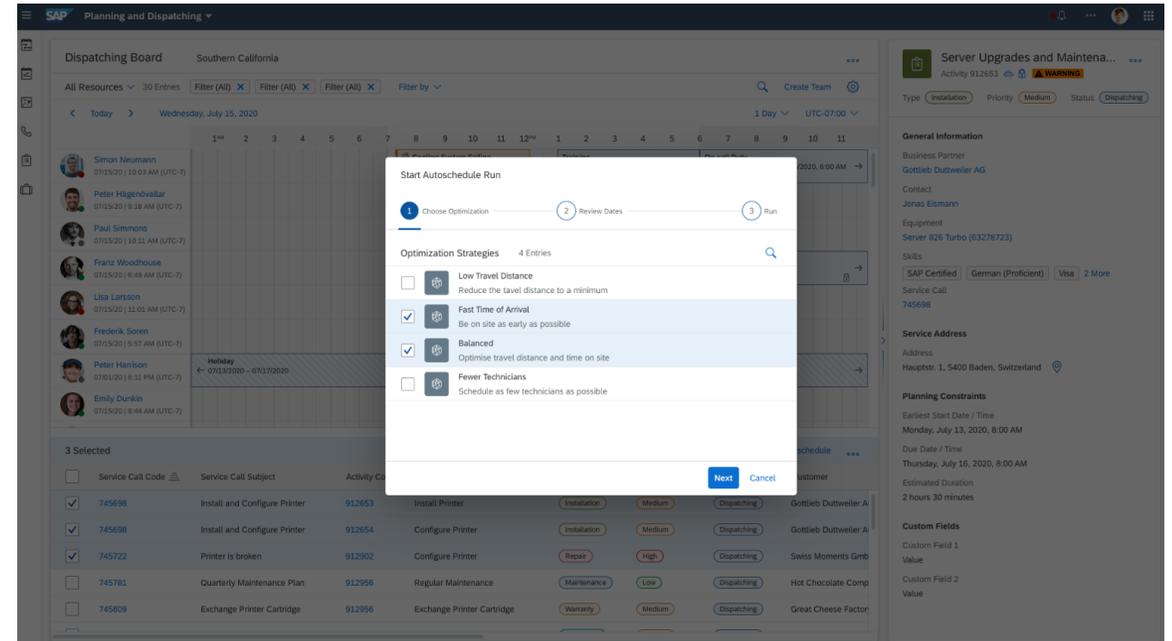
Out-of-the-Box Integration

SAP Field Service Management: AI based schedule optimization



Fully automated scheduling and optimization
Trigger automated scheduling on request or automatically based on internal or external events or a predefined schedule.

Best match technician
Find the most suitable technician for an activity based on location, skillset, and availability.

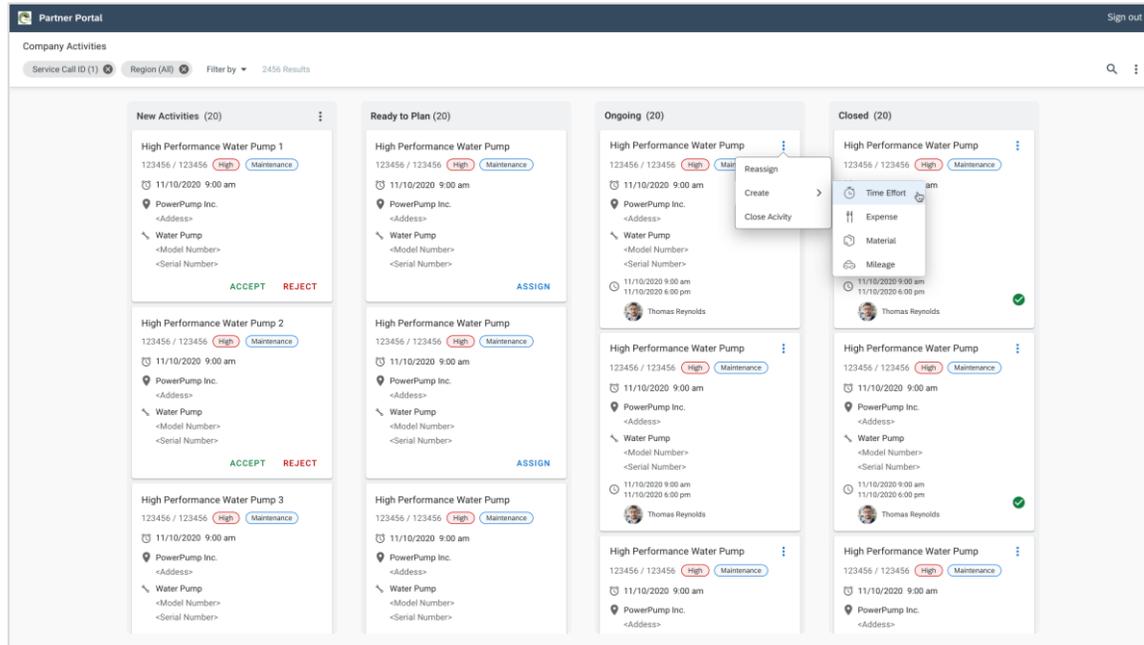


Policy designer
View and modify policies for assisted or automated scheduling in a no-code designer to define company specific requirements.

Appointment booking
Schedule field service appointments from an external solution such as customer engagement or commerce platform using an open API.

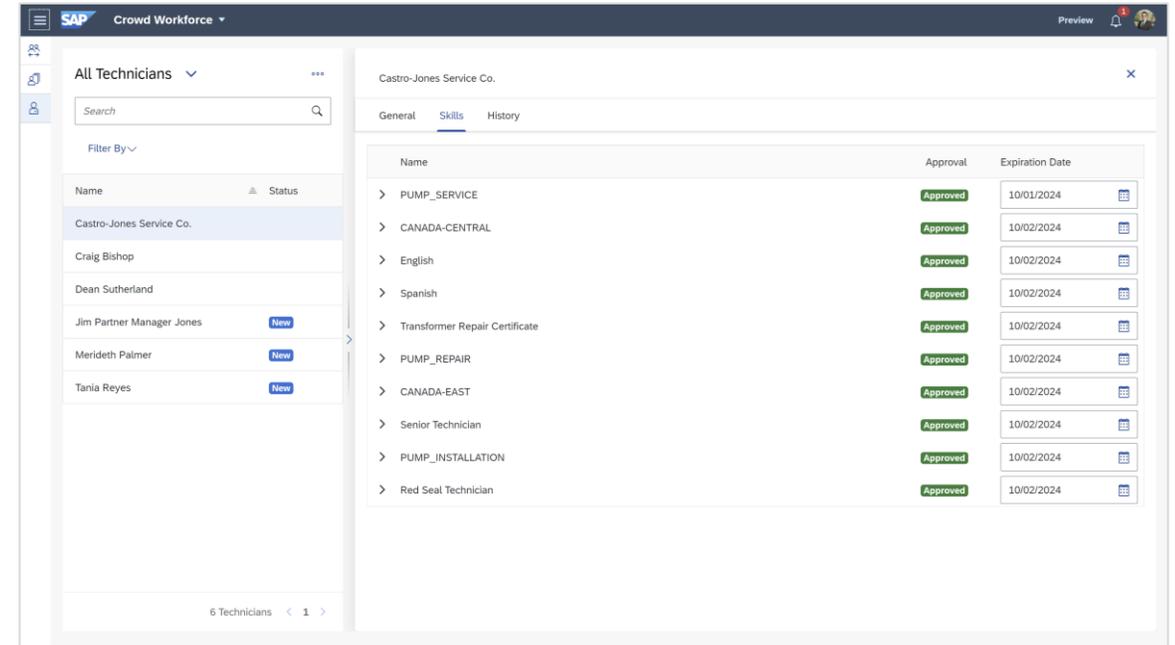


Out-of-the-Box Integration SAP Field Service Management: Crowd Service



Build a network of skilled service technicians including partners, customers, and freelancers – on a single AI-enabled platform.

Improve workforce planning and reduce bottlenecks by helping contingent workers act in real-time, when and where maintenance is needed, anywhere and anytime.



Skills and qualifications management to provide best possible service with the right technician with the right skills.

Simplified onboarding for contractors with option to use mobile application, or Smartforms.

Manage all time efforts
Manage expenses, mileage, etc. with options to approve, reject, request changes, etc.



Out-of-the-Box Integration

SAP Field Service Management: Mobile Field Service

Mobile workforce enablement

Empower field workers with intuitive mobile solutions to be more agile and responsive to changing market demands and customer needs.

Native offline first applications

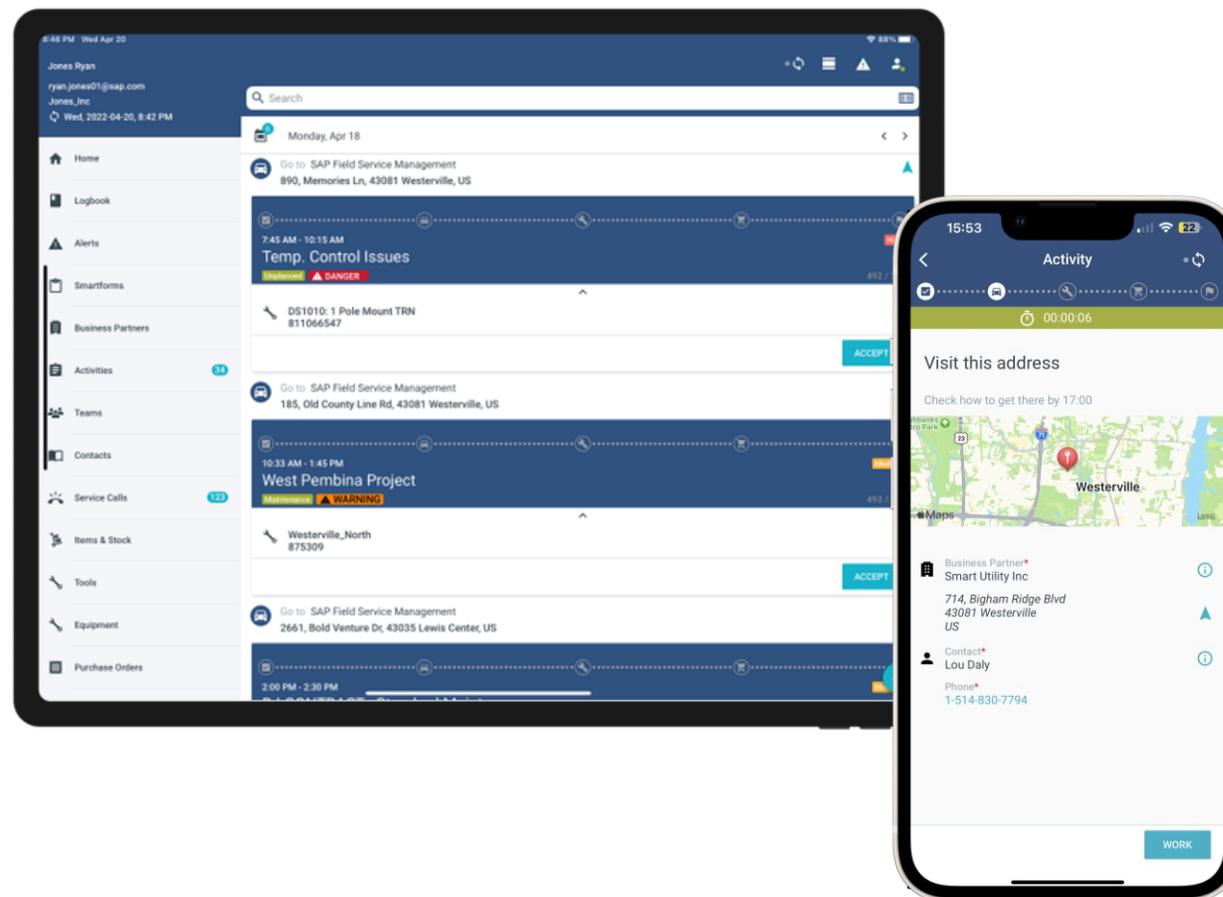
Provide offline access to customer and job information to allow technicians to perform their jobs and capture customer's signature to generate service reports without interruption or delay.

Guided workflow and Smartforms

Provide field workers with a step-by-step guidance and relevant data at the right time to ensure correct and safe execution and high data quality.

Location Tracking

Monitor real-time location of the field workers using GPS technology to optimize schedules and enhance worker safety.





Out-of-the-Box Integration

SAP Field Service Management: Smartforms and Feedback

Intuitive creation

Create and edit dynamic forms based on easy to use no-code designer, designed for business users without developer knowledge needed.

Intelligent dynamic forms

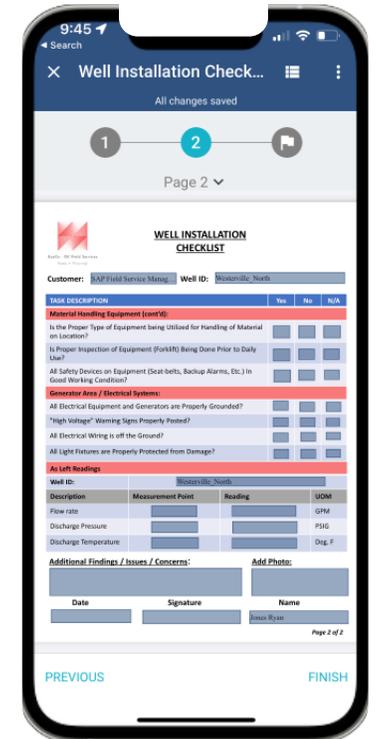
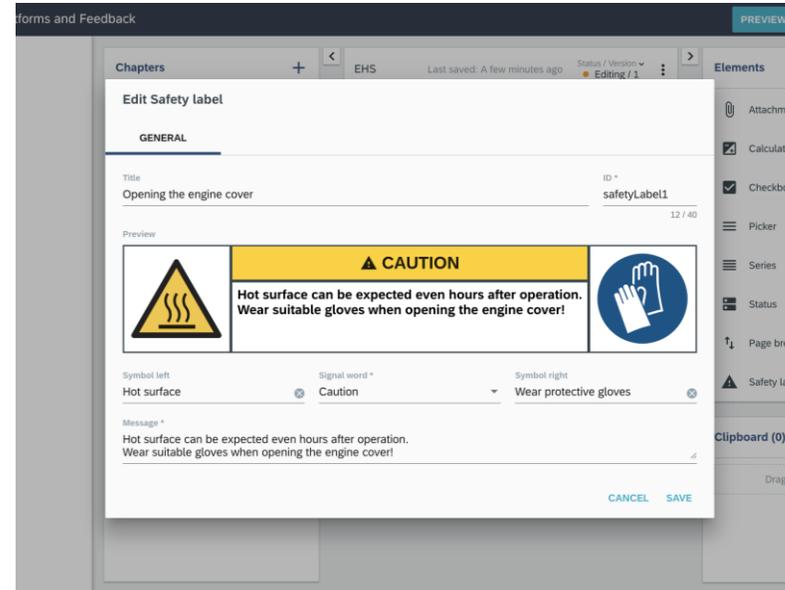
Define mandatory fields and visibility conditions, validate data input and pre-define data to guide technicians and automate processes with business rules.

Seamlessly integrated

Integrate with S/4HANA based on the SAP Field Service Management platform to support service and maintenance processes.

Digitize business processes and data capture

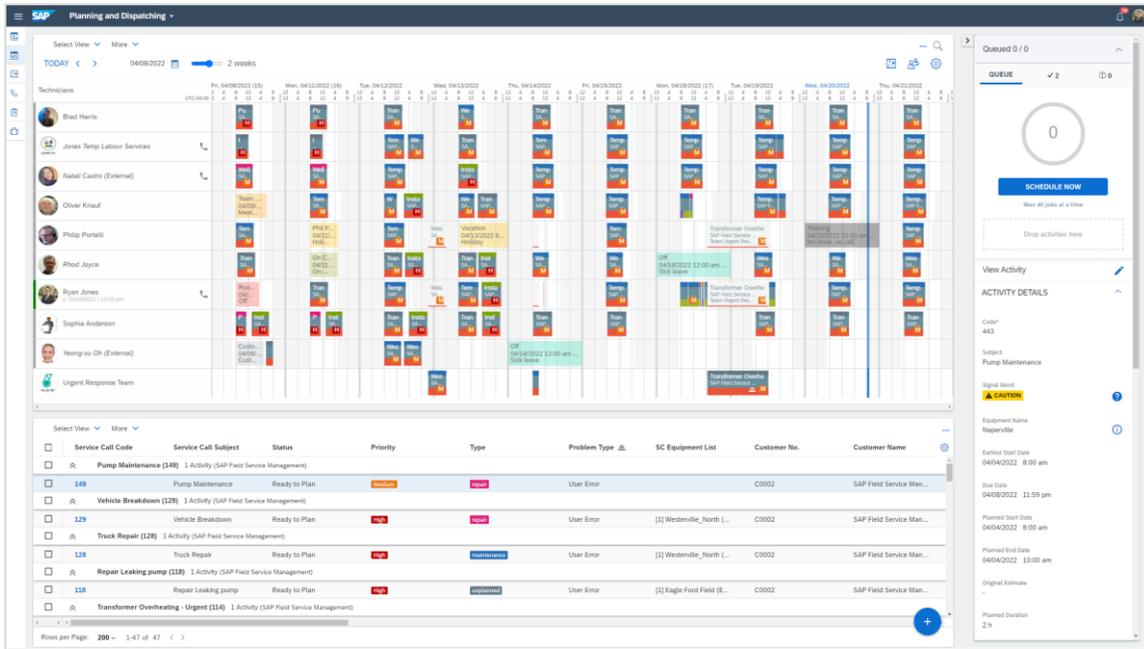
Ensure high data quality for quality assurance and inspections and improve workers safety with embedded safety labels.





Out-of-the-Box Integration

Integrate service across the supply chain: Predictive Service

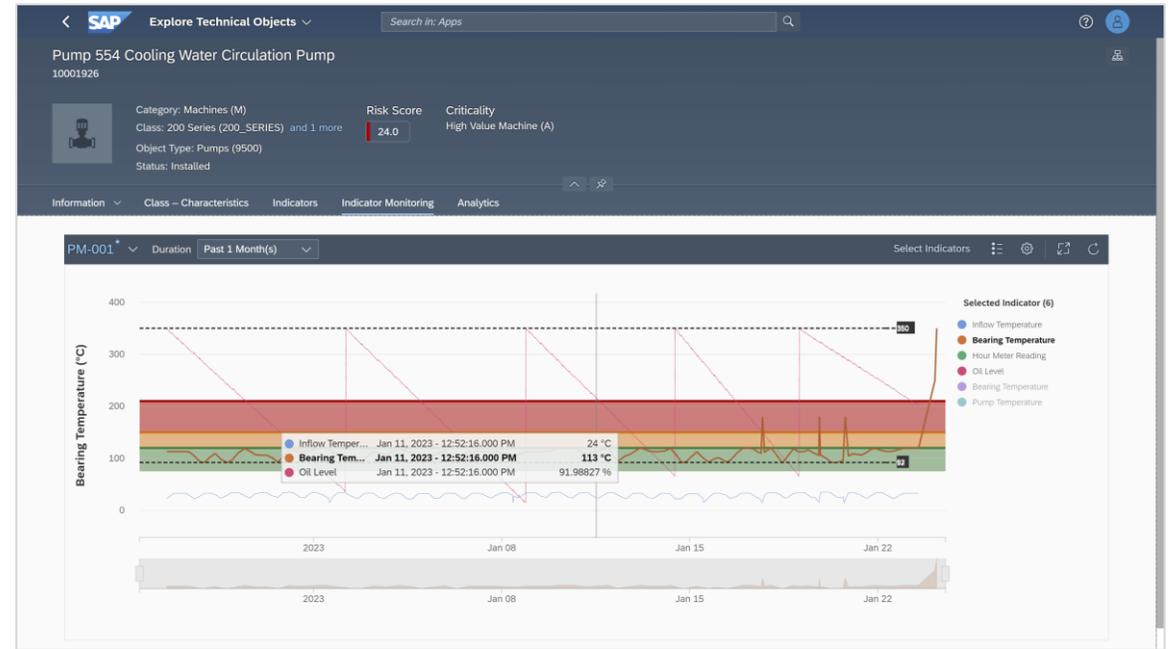


Integrate with SAP Asset Performance Management

Enables you to offer next generation field services. You can provide proactive and predictive maintenance, increase service efficiency and reduce downtime.

Reduce downtime with automatic service call creation

Integration managed via SAP BTP Integration Suite



Set alerts to prevent machine breakdown

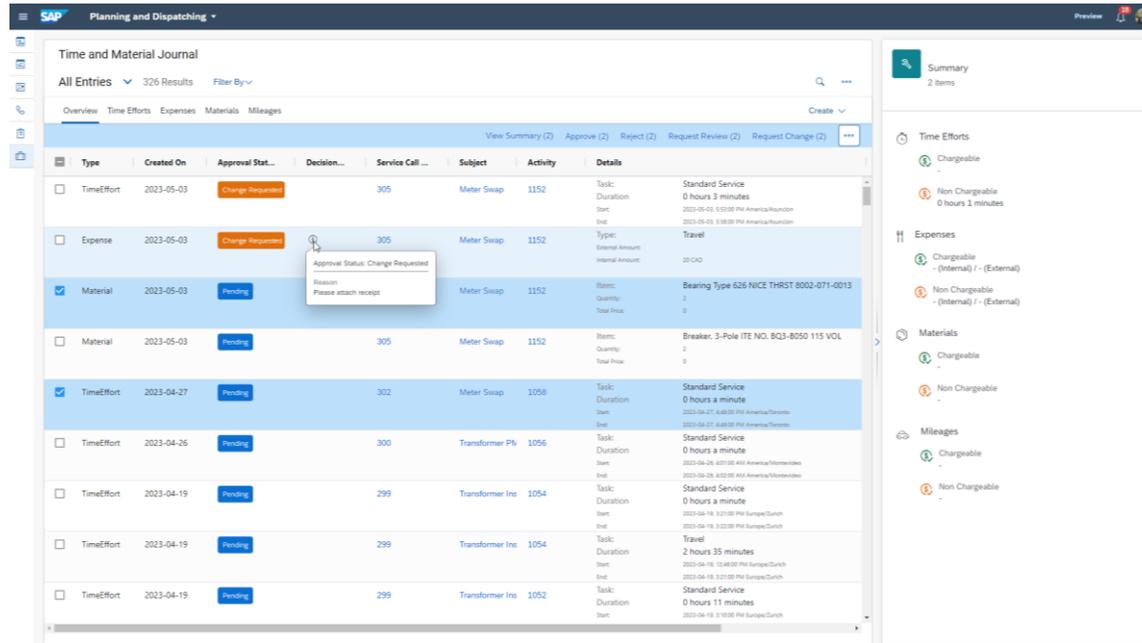
Use IoT sensor data to reduce intervention and traveling costs, ensuring costs savings for operations.

Shorten resolution times with better insights

Support your technicians by providing them historical and real-time data of the equipment.



Out-of-the-Box Integration SAP Field Service Management: Time and Material Journal

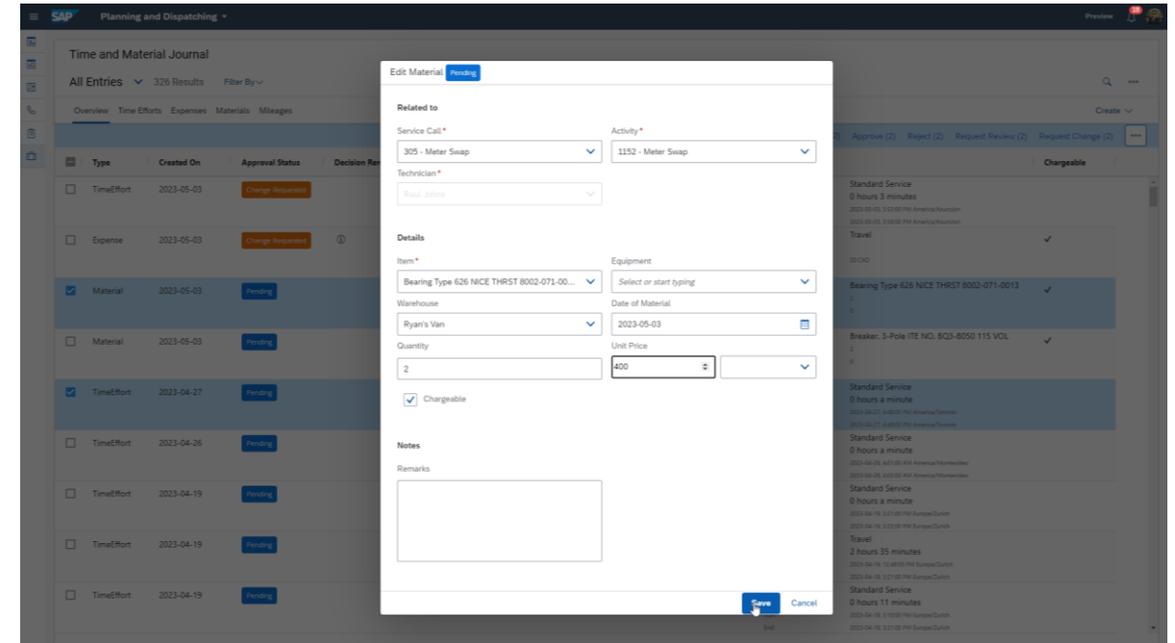


Time and Material Journal

View, edit, delete, and approve technician-input values such as mileage, time, efforts, and material critical for billing and service call completions.

Accurate billing

Avoid overcharging or undercharging by reviewing technician's time sheet and ensuring the clients are accurately billed for the amount of time and material spent on a service order.



Full Transparency

Get an overview on how much time and resources are being spent on a service order or project and provide customers and other stakeholders with regular updates on progress and cost.

Improved partner management

View details reported by partner companies and technicians as part of the SAP Crowd Service.



Compatibility Packs

CP ID 402–413: CS-Service

- Alternative option: SAP S/4HANA 2023
- Business impact note: 2962632
- Simplification item: [S4TWL - Customer Service](#)

CS is one of the three exceptions for which the usage right has been extended to the end of **2030**.

Refer to [SAP Note 2269324 - Compatibility Scope Matrix for SAP S/4HANA](#)

Sales





SAP Cloud ERP Private differentiators

SAP HANA and Embedded Analytics



SAP HANA and Real-time Analytics

Customer Overview

- Customer Overview
- Customer 360 View

Sales Overview

- My Sales Overview
- Sales Management Overview
- Order to Cash dashboard*

Sales Plan and Performance

- Manage Sales plans
- Sales Performance – Plan/Actual
- Sales Performance – Plan/Actual(Quantity Based)

Sales Order Mgmt. and Processing

- Sales Order Fulfillment
- Track Sales Orders Details
- Track Sales Orders
- Incoming sales orders - Flexible Analysis
- Sales order – Demand Fulfillment
- Sales order items
 - Backorders
 - Confirmed as Requested
- Delivery performance
- Predicted Delivery Delay

Sales Billing

- Sales volume
- Profit Margin
- Check Open Sales
- Credit Memo
- Sales volume – Flexible Analysis

Claims, Returns and Refund Mgmt.

- Customer Returns Overview*
- Customer Returns – Return Rate
- Customer Returns – Flexible Analysis

Sales Quotation Management

- Quotation Conversion Rate
- Sales Quotation – Flexible Analysis

Scheduling Agreement

- Sales Scheduling Agreement – Product Demand
- Sales Scheduling Agreement – Demand Deviation

Sales Contract Management

- Sales contract fulfillment Rate

Sales Rebates Mgmt. & Incentive and Commissions Mgmt.

- Monitor Condition Contracts
- Monitor Settlement Documents

Price Management

- Pricing elements flexible analysis

[Analytical Apps in SAP Fiori Apps Reference Library](#)

* Using embedded SAP Analytics Cloud. Embedded story content also available for SAP S/4HANA Cloud Private Edition, but an additional SAP Analytics Cloud license is required.



SAP Cloud ERP Private differentiators

Data Products and Intelligent Applications



Data products

Explore a range of data products within Business Data Cloud designed to help businesses manage, analyze, and leverage their data.

These products include curated datasets, data integration tools, and analytical applications, all of which aim to enable data-driven decision-making.

[Available data products](#)

 Data Product Sales Master Data Configuration Data Product Sales Master Data Configuration Version 1.0.0 ACTIVE	 Data Product Debit Memo Request Data Product Debit Memo Request Version 1.0.2 ACTIVE	 Data Product Sales Order Data Product Sales Order Version 1.0.1 ACTIVE	 Data Product Sales Order Without Charge Data Product Sales Order Without Charge Version 1.0.1 ACTIVE
 Data Product Sales Status Configuration Data Product Sales Status Configuration Version 1.0.0 ACTIVE	 Data Product Customer Return Data Product Customer Return Version 1.0.1 ACTIVE	 Data Product Sales Inquiry Data Product Sales Inquiry Version 1.0.0 ACTIVE	



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[Available data products](#)

 Data Product Invoice List Data Product Invoice List Version 1.0.1 ACTIVE	 Data Product Sales Organizational Structure Data Product Sales Organizational Structure Version 1.0.0 ACTIVE	 Data Product Sales Scheduling Agreement Data Product Sales Scheduling Agreement Version 1.0.0 ACTIVE	 Data Product Sales Billing Configuration Data Product Sales Billing Configuration Version 1.0.0 ACTIVE
 Data Product Sales Quotation Data Product Sales Quotation Version 1.0.1 ACTIVE	 Data Product Billing Document Request Data Product Billing Document Request Version 1.0.1 ACTIVE	 Data Product Sales Basic Functions Config Data Product Sales Basic Functions Config Version 1.0.0 ACTIVE	 Data Product Billing Document Data Product Billing Document Version 1.0.2 ACTIVE



SAP Cloud ERP Private differentiators

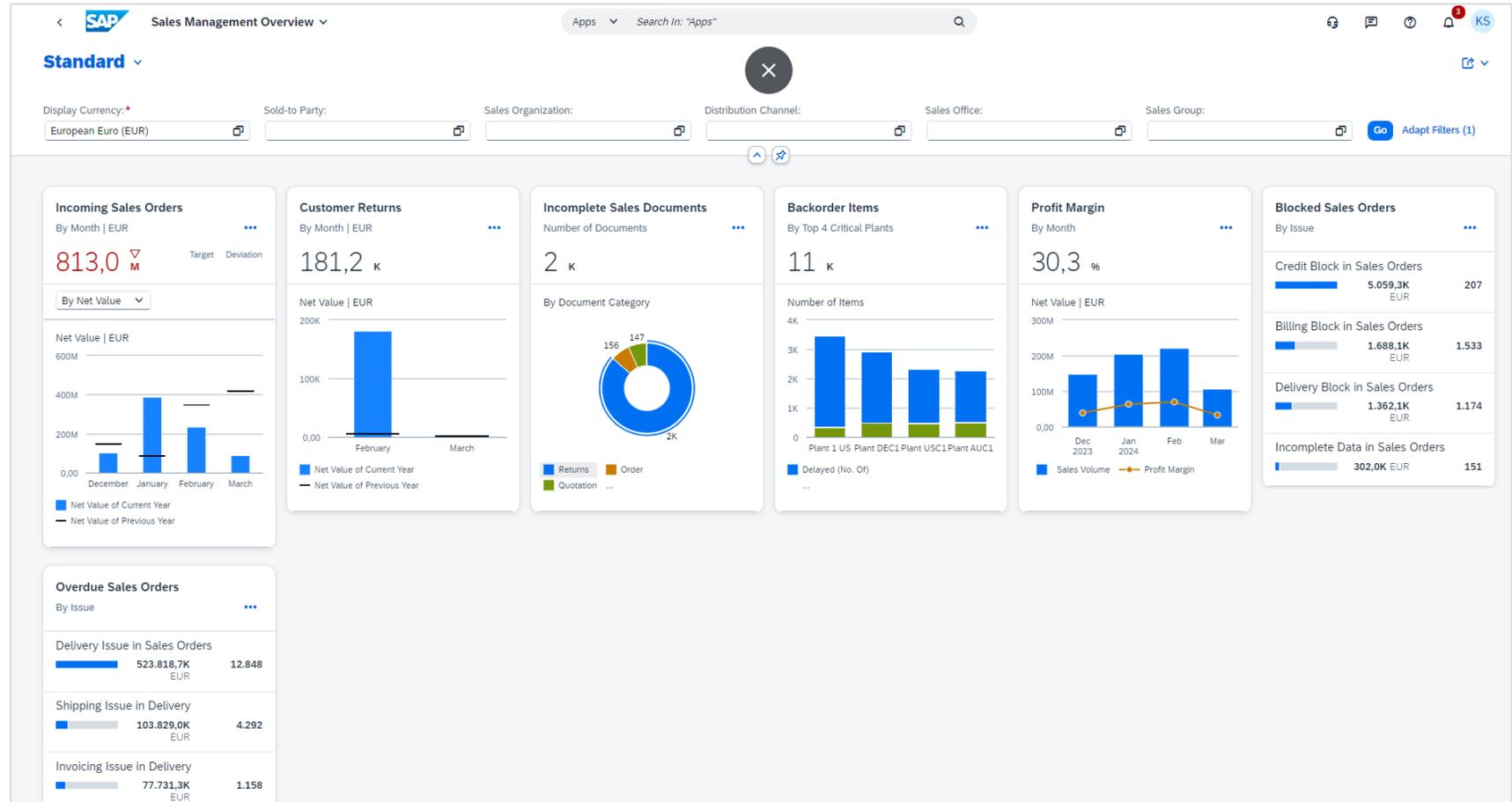
SAP Fiori



SAP Fiori Lighthouse Apps

Sales Management Overview

- Analyze the data by navigating to related analytical apps from the cards
- Gain comprehensive insights into current sales situations
- Get a graphical overview of various sales data and insights into current sales situations with the option to navigate to analytical apps for further drill-down



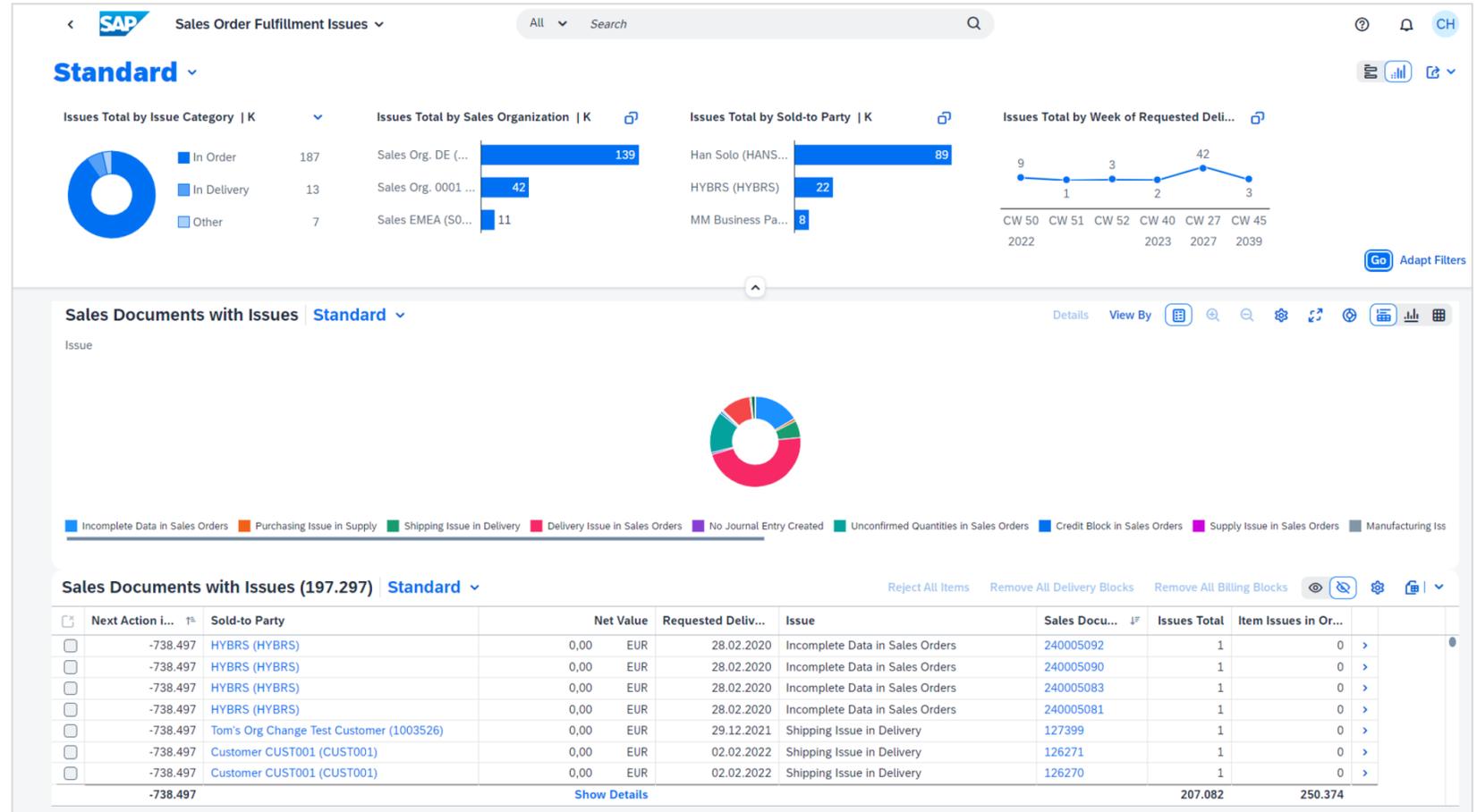
[Link to documentation](#)



SAP Fiori Lighthouse Apps

Sales Order Fulfillment Issues

- Analyze and resolve issues that impede sales orders from being fulfilled
- The app provides supporting information and allows to navigate to Track Sales Order Details to resolve the issues
- Monitor critical stages, collaborate with contacts, and efficiently address issues to ensure that sales orders are fulfilled as quickly as possible. The app highlights impediments, provides supporting information, and allows to navigate to Track Sales Order Details to display further details and resolve the issues



[Link to documentation](#)



SAP Fiori Lighthouse Apps

Track Sales Orders

- Check whether the delivery of a sales order is on track regarding its fulfillment, e.g., whether it has been shipped, invoiced, or whether an accounting document has been cleared
- Recognize whether the fulfillment of the sales order contains issues or not, or whether it has been completed, or is still in process

SAP Track Sales Orders

Standard

Search: [Search] Sales Document: [Sales Document] Sold-to Party: [Sold-to Party] Customer Reference: [Customer Reference] Requested Delivery Date: [Requested Delivery Date] Overall Status: [Overall Status] Document Date: [Document Date] Delivery Processing: [2 Items] Order Processing: [Order Processing] Supply Processing: [Supply Processing] Go Adapt Filters (1)

Sales Document	Overall Fulfillment	Process Phase	Requested Delive...	Net Value	Order Processing	Supply Processing	Delivery Processing	In Transit	Invoicing
406871	⊗	Delivery Processing	03/17/2024	263.828.00 USD	⊙		⊗		
406783	⊗	Delivery Processing	03/14/2024	272.712.00 USD	⊙		⊗		
406781	⊗	Delivery Processing	03/14/2024	700.17 USD	⊗		⊗		
406780	⊗	Delivery Processing	03/15/2024	410.452.00 USD	⊙		⊗		
402575	⊗	Delivery Processing	03/12/2024	2.016.00 USD	⊙		⊗		
402574	⊗	Delivery Processing	03/12/2024	16.128.00 USD	⊙		⊗		
406690	⊗	Delivery Processing	03/15/2024	700.17 USD	⊗		⊗		
406689	⊗	Delivery Processing	03/15/2024	280.364.00 USD	⊙		⊗		
406688	⊗	Delivery Processing	03/13/2024	335.700.00 USD	⊙		⊗		
406685	⊗	Delivery Processing	03/11/2024	334.884.00 USD	⊙		⊗		
406679	⊗	Delivery Processing	03/13/2024	700.17 USD	⊗		⊗		
406677	⊗	Delivery Processing	03/13/2024	343.352.00 USD	⊙		⊗		
406676	⊗	Delivery Processing	03/14/2024	282.716.00 USD	⊙		⊗		
406574	⊗	Delivery Processing	03/10/2024	3.125.00 USD	⊙		⊗		
406475	⊗	Delivery Processing	03/11/2024	201.556.00 USD	⊙		⊗		
406474	⊗	Delivery Processing	03/12/2024	201.556.00 USD	⊙		⊗		
406380	⊗	Delivery Processing	03/11/2024	1.388.004.00 USD	⊙		⊗		
406379	⊗	Delivery Processing	03/09/2024	238.256.00 USD	⊙		⊗		
406377	⊗	Delivery Processing	03/09/2024	1.611.424.00 USD	⊙		⊗		
406373	⊗	Delivery Processing	03/09/2024	1.828.880.00 USD	⊙		⊗		

More [20 / 4.292]

[Link to documentation](#)

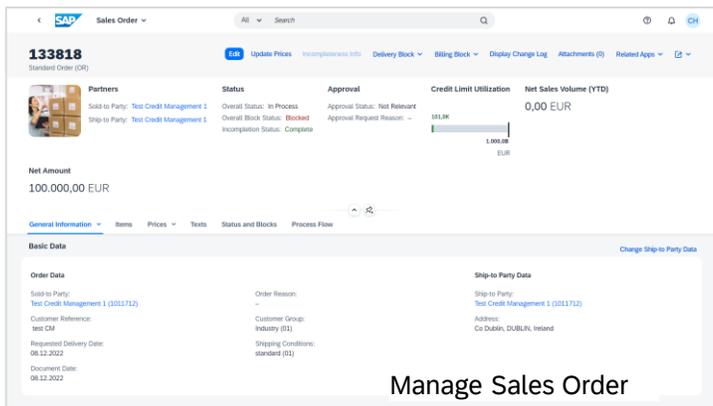


SAP Fiori

SAP Fiori App Create Sales Document - Sales Order, Sales Quotation, Sales Contract

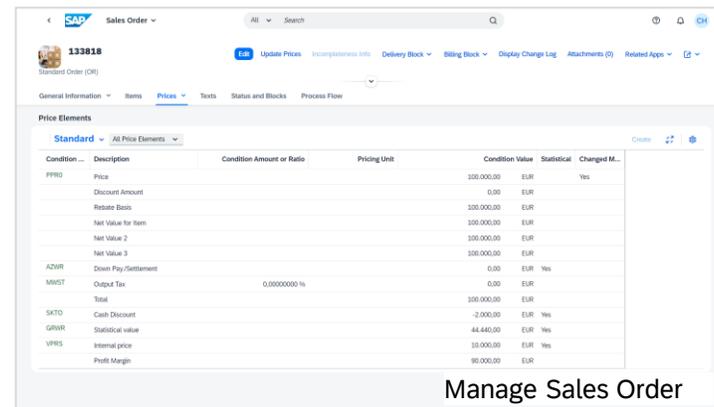
Delightful UX

- **Transparency of features** and visible functionalities
- **Embedded sales order relevant data**, e.g., credit limit utilization, net sales volume, process flow
- **Fully integrated** in sales operation



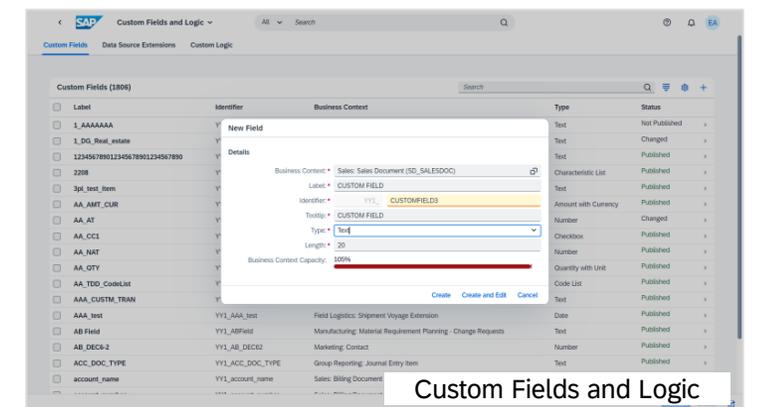
Operational Efficiency

- **Clear structure and easy handling** of the sales order in header and items
- **Real-time response**, e.g., pricing, ATP, sub-items determination (free goods/ Bill of Material explosion)
- **Keyboard navigation** enabled
- NAST output enabled for sales order and billing documents



Adaptation and Extensibility

- **No-code UI adaptation**
- **Modification-free enhancement** with custom fields, data source extensions and BAdI implementations.
- **Lifecycle-stable and upgrade-proof**





SAP Fiori Import Sales Document via MS Excel Upload

Mass Order Creation

- Fiori App **Import Sales Documents**
- Creation of sales orders by importing pre-defined templates in Microsoft Excel spreadsheet formats

Configurable Template

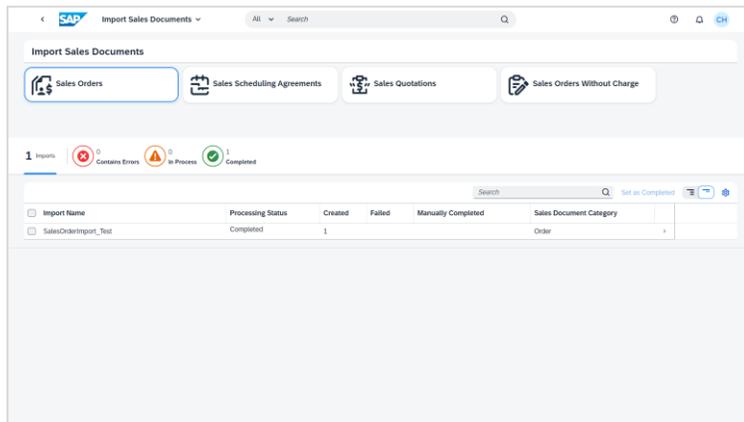
- Over 160 **Fields** for Sales Order **Headers, Sales Order Items, Pricing and Text**
- Embedded how-to explanation
- Easy and flexible maintenance



Sales Order Upload Template

Adaptation and Extensibility

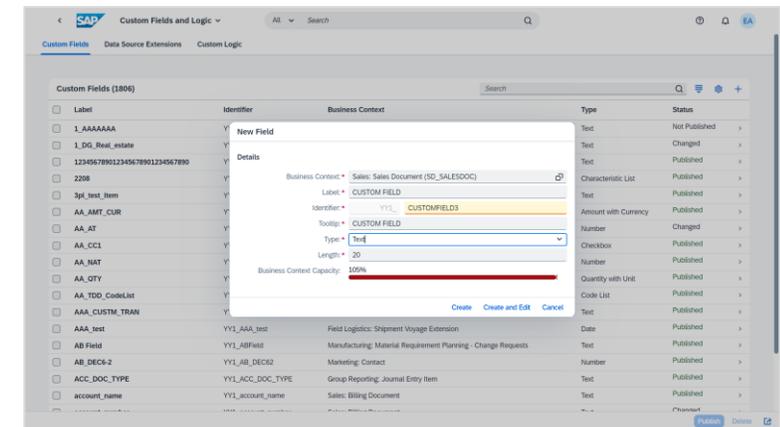
- **Field extension** via SAP S/4HANA In-App Extensibility
- Fiori App **Custom Fields**
- Enabled fields can be added to Sales Order upload template



Order Field List

could be read-only. It provides a list of sales order fields that are either required (marked with an asterisk) or optional. You can add optional fields to the "Order Data" sheet as needed. In unique technical identifiers of sales order fields. They serve as a basis for order data import.

Field Name (Technical)	Field Description	Property	Max. Length	Remarks
DOC	*Sales Order (Temporary ID)	Required	10	
DOCTYP	*Sales Order Type	Required	4	Supports order types in sales document category C (Order).
ORGANIZATION	*Sales Organization	Required	4	
DISTRIBUTION_CHANNEL	*Distribution Channel	Required	2	
DIVISION	*Division	Required	2	
DISTRICT	Sales District	Optional	6	
OFFICE	Sales Office	Optional	4	
GROUP	Sales Group	Optional	3	
PARTY	*Sold to Party	Required	10	
PARTY	Ship-to Party	Optional	10	
PARTY	Bill to Party	Optional	10	
AGENT	Sales Employee	Optional	10	
MEASURES	Sales Employee	Optional	8	Requires a numeric key.
RESPONSIBLE_EMPLOYEE	Employee Responsible	Optional	8	Requires a numeric key.
DEBORGANIZATION	Customer Reference	Optional	35	
DEBORGANIZATION_DATE	Customer Ref. Date	Optional	10	Supports YYYY-MM-DD and YYYYMMDD.
DEBORDERDATE	Purchase Order Type	Optional	4	Indicates the channel used by your customer to place an order.
DEBDELIVERYDATE	Requested Delivery Date	Optional	10	Supports YYYY-MM-DD and YYYYMMDD.
DEBDATE	Pricing Date	Optional	10	Supports YYYY-MM-DD and YYYYMMDD.
DEBDATE	Document Date	Optional	10	Supports YYYY-MM-DD and YYYYMMDD.
DEBDATE	Fixed Value Date	Optional	10	Supports YYYY-MM-DD and YYYYMMDD.
DEBCONDITION	Shipping Conditions	Optional	2	
DEBTYPE	Shipping Type	Optional	2	



[Link to documentation](#)



SAP Fiori Mass Change of Sales Documents

The screenshot shows the 'Mass Change of Sales Documents' app interface. At the top, there are buttons for 'Sales Orders', 'Sales Quotations', 'Sales Contracts', 'Customer Returns', 'Sales Scheduling Agreements', 'Sales Orders Without Charge', 'Debit Memo Requests', and 'Credit Memo Requests'. Below these is a 'My Jobs' section with a table showing job status (Failed, In Process, Completed). The main area displays a list of sales documents with columns for Job Name, Created By, Start Date, Error, Success, Manually Completed, Sales Document, Sales Document Level, and Action. A context menu is open over the list, showing options like 'Change Header Data', 'Change Header Partner', 'Remove Header Partner', 'Reject', 'Set Billing Block', 'Remove Billing Block', 'Set Delivery Block', 'Remove Delivery Block', and 'Update Prices'.

Job Name	Created By	Start Date	Error	Success	Manually Completed	Sales Document	Sales Document Level	Action
133884						Standard Order (OR)	Sales Org. 0001 (0001)	Müncher Großhandels AG (MK_CUS_DE1)
133874						Standard Order (OR)	Sales Org. DE (R100)	Alba Flore (20270)
133875						Standard Order (OR)	Sales Org. DE (R100)	Alba Flore (20270)
133876						Standard Order (OR)	Dom. Sales Org DE (1010)	Space Applications Center (ZSPL3)
133877						Standard Order (OR)	Sales Org. DE (R100)	Alba Flore (20270)
133878						Standard Order (OR)	Sales Org. 0001 (0001)	Goedaboend (HM_CUS_NL1)
133862						Standard Order (OR)	Dom. Sales Org DE (1010)	STG-EKO LLC (ZSPL1)
133863						Standard Order (OR)	Dom. Sales Org DE (1010)	STG-EKO LLC (ZSPL1)
133864						Standard Order (OR)	Dom. Sales Org DE (1010)	STG-EKO LLC (ZSPL1)

The screenshot shows the 'Job Details' page for 'SD_Mass_Update_New_Pricing'. It displays job statistics: Errors: 0, Success: 9. The job status is 'Completed (C)'. Below this, there are two sections: 'Failed Documents' (Standard) and 'Completed Documents (9) Standard'. The 'Completed Documents' section contains a table with columns for Sales Document ID, Sales Document Item, Schedule Line, Document Category, and Information.

Sales Document ID	Sales Document Item	Schedule Line	Document Category	Information
133874			Order (C)	
133875			Order (C)	
133876			Order (C)	
133879			Order (C)	
133880			Order (C)	
133881			Order (C)	
133882			Order (C)	
133883			Order (C)	

Supported Sales Document types:

- Sales Order, Sales Quotations, Sales Contracts
- Sales Scheduling Agreements
- Sales Order without Charge
- Customer Returns
- Debit Memo Request
- Credit Memo Request
- Customer expected price

Mass change job status:

- Completed
- In process
- Failed
 - - Resolution option 1: Reschedule change job
 - - Resolution option 2: Manually set to be completed

[Link to documentation](#)



SAP Fiori Manage duplicate sales documents

The screenshot shows the SAP Fiori 'Manage Duplicate Sales Documents' application. At the top, there are filters for 'Standard' and 'All'. Below this, two bar charts show 'Duplicates by SD Document Category' and 'Duplicates by Sales Organization'. The main area displays a table of 'Duplicate Sales Documents (138)'. The table has columns for 'Sales Document', 'Overall Status', 'Sold-to Party', 'Created On', 'Items', 'Created By', and 'Net Value'. It lists several duplicate entries, such as '60011507' and '60011508' for 'Credit Memo Request 60011507', and '60011512' and '60011516' for 'Credit Memo Request 60011512'.

Sales Document	Overall Status	Sold-to Party	Created On	Items	Created By	Net Value
Duplicate For: Credit Memo Request 60011507						
60011507	Open	BP for WDF27/28 - DO NOT TOUCH!!! sFIN Unit Testing - DO NOT TOUCH (WDF28-1)	10.05.2023	1	Kerstin Schlicker (SCHLICKER)	117.60 EUR
60011508	Completed	BP for WDF27/28 - DO NOT TOUCH!!! sFIN Unit Testing - DO NOT TOUCH (WDF28-1)	10.05.2023	1	Kerstin Schlicker (SCHLICKER)	117.60 EUR
Duplicate For: Credit Memo Request 60011512						
60011512	Open	CMH_OPBP01 (CMH_OPBP01)	19.05.2023	1	Puja Saraswat (SARASWATPU)	0.00 EUR
60011516	Open	CMH_OPBP01 (CMH_OPBP01)	19.05.2023	1	Puja Saraswat (SARASWATPU)	0.00 EUR
Duplicate For: Credit Memo Request 60011523						
60011523	Open	CMH_OPBP01 (CMH_OPBP01)	19.05.2023	1	Puja Saraswat (SARASWATPU)	0.00 EUR
60011525	Open	CMH_OPBP01 (CMH_OPBP01)	19.05.2023	1	Puja Saraswat (SARASWATPU)	0.00 EUR

Supported Sales Document types:

- Order
- Returns
- Quotations

- An internal sales representative can search for duplicate sales documents to avoid having them being processed multiple times
- By rejecting duplicates, the internal sales representative can avoid for example, unnecessary returns, or causing a product to be out of stock unnecessarily
- Search duplicate sales orders according to various criteria, such as creation period, sales document, sales document category, sales organization, sold-to party, created by, and overall status

[Link to documentation](#)



SAP Fiori

My Inbox - Flexible workflow for sales documents

- Provisioning of key sales data in the approval workflow allowing for quick decisions
- Easy navigation to the sales document from the approval workflow
- Revised process to rework approval requests for sales documents
- Receive workflow notifications during the approval workflow processing of sales documents
- Approval status visible in sales documents
- Follow-up processing, for example sub-sequent document creation, is prohibited as long as the document is in approval

Supported Sales Document types:

- Sales Order
- Credit/Debit Memo Request
- Sales Quotations
- Sales Contracts
- Customer Return
- Sales Prices/Price Changes

[Link to documentation](#)

Settlement Document | Search In: "Apps" | ES

All Tasks (1)

cred x Q

REFRESH

Release of Credit Memo Request
60038654
_SAPIS17846 Medium

Release of Credit Memo Request

Credit Memo Request 60038654 Related Apps

Credit Memo Request: 60038654 Overall Status: Completed Billing Block:
 Sold-to Party: Inlandskunde DE 3 (10100003) Billing Status: Fully Invoiced Rejection Status: Nothing Rejected
 Ship-to Party: Inlandskunde DE 3 (10100003) Credit Status: Not Performed

Approval Status: ✔ Released Net Value
 Approval Request Reason: Document needs approval (ZCR1) 159.11 EUR

General Information Items Business Partners Process Flow Approval Details

My Inbox | JD

All Tasks (3)

Search Q

REFRESH

Approve Sales Prices in Request
0000122967
SAP_WFRT Medium

Approve Sales Prices in Request
000082169
SAP_WFRT Medium

Approve Sales Prices in Request
000082166
SAP_WFRT Medium

Approve Sales Prices

Approve Sales Prices in Request 0000122967

SAP_WFRT Status: Ready
Priority: Medium

Created on Nov 8, 2022, 3:18 PM

Basic Data
Description: Approve for Blog

Administrative Data
Created By: [User Icon]

Choose "Open Task" to view sales price details.

Approve Reject Show Log Claim Forward Suspend Open Task



SAP Cloud ERP Private differentiators

Joule



Joule

[Fetch Sales Order Information](#)

[Create Sales Documents with Reference](#)

[Fetch Billing Document Information](#)

[Perform Mass Change of Sales Orders](#)

[Perform Release and Acceptance of Solution Quotations](#)

[Fetch Solution Quotation Information](#)

The screenshot displays the SAP Fiori 'My Home' dashboard with several AI chat windows from 'Joule' overlaid. The background dashboard includes sections for 'Pages' (My Business Role Assignment, Fiori Launchpad, Sales Commission and Incentive Internal Sales), 'Insights (5)' (Sales Order Items Backorders, List Incomplete Sales Documents), and 'Apps' (Manage Sales Orders Version 2). The 'To-Dos (2)' section shows two 'User Decision Invoice' items with 'Approve' and 'Reject' buttons. The 'News' section features a photo of two workers in hard hats. The 'Pages' section at the bottom includes 'Overview Billing' and 'Billing' tiles.

Joule Chat Window 1:
 Today 1:48 PM
 provide me with a summary of sales order 27111
 Sales Order 27111 was created on July 19, 2024, by SANKANNAVAR for Company Domestic Customer US 3/70363-5455 Houma. The order is complete and fully delivered, although the billing is blocked due to incomplete pricing. The order consists of two items, both being 'Trad.Good 12,Reorder Point,Reg.Trad.' with a net amount of \$120 each. The items were shipped to 100 Boundary Rd, Houma, US. The customer payment terms are set to 'As of End of Month'.

Joule Chat Window 2:
 what is the document flow of sales order 27111
 Based on the provided document flow information for sales order 27111, the document flow is as follows:
 1. Sales Order: 27111 (Order)
 • Creation Date: 19.07.2024
 • Creation Time: 06:09:04
 2. Delivery: 80006734 (Delivery)
 • Creation Date: 19.07.2024
 • Creation Time: 06:11:28
 3. WMS Transfer Order: 0180006734 (Delivery)
 • Creation Date: 19.07.2024
 • Creation Time: 06:11:42
 4. Goods Movement: 0280006734 (Delivery)
 • Creation Date: 19.07.2024
 • Creation Time: 06:12:27
 5. Invoice: 0290004313 (Invoice)
 • Creation Date: 19.07.2024
 • Creation Time: 06:14:26
 6. Journal Entry (Temporary): 9400000044 (Invoice)
 • Creation Date: 19.07.2024
 • Creation Time: 06:14:50

Joule Chat Window 3:
 Billing document creatio...
 Create a billing document for sales order 60005958
 Confirm Billing Document Creation
 Billing documents will be created for valid reference documents.
 Valid Reference Documents
 Document 60005958, item 10(Handelsware 11, PD, normaler Handel), will be ↓ ed with billing date 15.01.2025.
 Message Joule...
 Joule uses AI. Verify results.



SAP Cloud ERP Private differentiators

SAP Business AI



Intelligent technologies

Machine Learning: Create Sales Order from Unstructured Data



Manual and error-prone sales order creation process

Automated sales order creation process

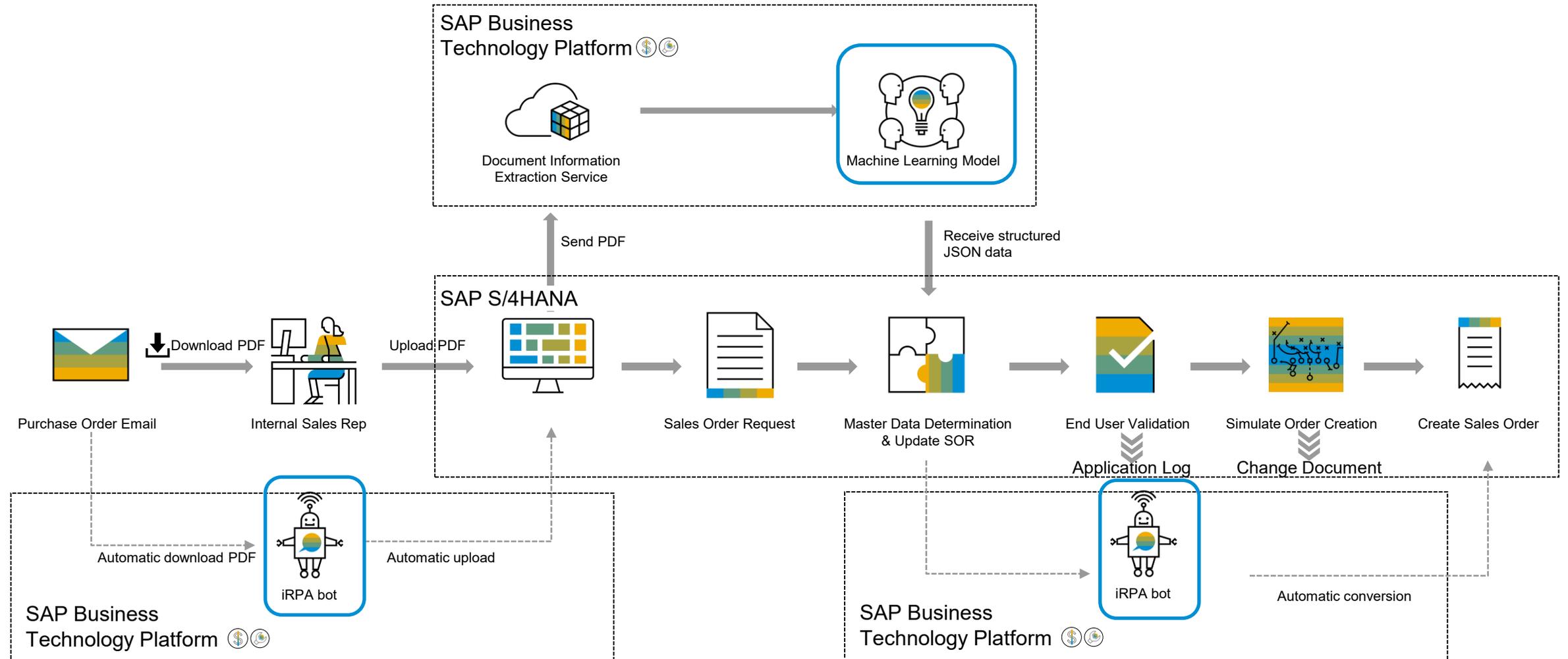
- Sales offices receives customer's buying orders in PDF files as Email attachments
- Sales representative monitors Email inbox regularly, "translates" order data into sales order data format and enters sales orders
- **High manual repetitive effort, error-prone process**

- SAP RPA bot regularly checks the dedicated Email inbox and uploads unread PDF (customer order) automatically into SAP S/4HANA
- SAP machine learning Document Information Extraction service extracts the sales order relevant data for SAP S/4HANA
- Within SAP S/4HANA a sales order request is automatically created
- In case of incompleteness or incorrect data SAP S/4HANA provides guided procedure for correction
- Sales rep. can verify order data, simulate order creation and confirm order creation
- **Improved sales productivity with process automation**



Intelligent technologies

Machine Learning: Create Sales Order from Unstructured Data – the Technical View





Intelligent technologies

Joule and Generative AI: Monitor, get explanations and resolve sales order fulfillment issues

- In addition to monitoring and resolving sales order fulfillment issues, Joule now also provides explanation for issues and blocks.
- Ask Joule about incomplete data, delivery block issue, credit block issue, billing block issue, delivery issue, and trade compliance issues
- Get a quick overview about the fulfillment status of a sales order
- Provide issue explanation and resolution based on real time fulfillment status by analyzing follow up documents

The screenshot shows the SAP Sales Order Fulfillment Issues dashboard. At the top, there are three bar charts: 'Issues Total by Issue Category', 'Issues Total by Sales Organization', and 'Issues Total by Sold-to Party'. Below these is a 'Sales Documents with Issues' section with a donut chart and a table of 50,364 issues. A 'Joule - Sd Premium Assi...' chat window is open, displaying a message about a delivery block. A red box highlights a 'Delivery Block in Sales Order' issue in the chat, with a red arrow pointing to a detailed explanation panel on the right. The panel explains that the block prevents delivery of sales order 7333 and provides a 'Remove Header Delivery Block' button.

Next Action in Days	Sold-to Party	Net Value	Requested Del...	Issue
1.408	Inlandskunde de2 In de2 - additional (10100003)	2,848.82 EUR	11.11.2029	Billing Block in Sales Orders
1.408	Inlandskunde de2 In de2 - additional (10100003)	2,848.82 EUR	11.11.2029	Billing Block in Sales Orders
1.408	Inlandskunde de2 In de2 - additional (10100003)	2,848.82 EUR	11.11.2029	Billing Block in Sales Orders
1.408	Inlandskunde de2 In de2 - additional (10100003)	2,848.82 EUR	11.11.2029	Billing Block in Sales Orders
1.408	Inlandskunde de2 In de2 - additional (10100003)	2,848.82 EUR	11.11.2029	Delivery Issue in Sales Orders
1.408	Inlandskunde de2 In de2 - additional (10100003)	2,848.82 EUR	11.11.2029	Delivery Issue in Sales Orders
1.408	Inlandskunde de2 In de2 - additional (10100003)	2,848.82 EUR	11.11.2029	Delivery Issue in Sales Orders
1.408	Inlandskunde de2 In de2 - additional (10100003)	2,848.82 EUR	11.11.2029	Delivery Issue in Sales Orders
1.408	Inlandskunde de2 In de2 - additional (10100003)	2,848.82 EUR	11.11.2029	Delivery Issue in Sales Orders
-55	Inlandskunde DE 3 (10100003)	2,848.82 EUR	01.07.2025	Incomplete Data in Sales Orders
-55	Inlandskunde DE 3 (10100003)	2,848.82 EUR	01.07.2025	Incomplete Data in Sales Orders

Discovery Center



SAP Cloud ERP Private differentiators

Situation Handling



Intelligent technologies Situation Management

Some examples:

[Sales Contract Fulfillment Alert](#)

[Sales Quotation Is Close to Expiring](#)

[Mass Change of Sales Docs: Jobs Complete](#)

[Data Not Extracted for Order Creation](#)

[Data Incomplete for Order Creation](#)

[Billing Documents Not Posted](#)

SAP Sales Quotation

Quotation 20000841

Situation General Information Items Business Partners Process Flow

This sales quotation is about to expire
2 hours ago

The validity of this sales quotation ends in 3 days, and 0% of its net value has been referenced by sales orders. Check if you need to take any follow-up actions.

Close Situation Hide Details

General Information

Sales Area: Dom. Sales Org US, Direct Sales, Product Division 00	Employee Responsible: -	Customer Reference: -	Customer Reference Date: -	Created By: VAMSI SIVA NAGA LAKSHMAN POLISETTI (CB9980003762)	Last Changed By: VAMSI SIVA NAGA LAKSHMAN POLISETTI (CB9980003762)
				Created On: 11/19/2025	Changed On/At: 11/19/2025, 07:05:12

Items (1) Standard

Item	Product	Order Quantity	Requested Delive...	Overall Status	Rejection Status	Net Value	Configuration
10	Material 0011,PD,Regular Proc. (TG0011)	4	PC	11/18/2025	Open	Nothing Rejected	200,00 USD

Business Partners

- Domestic US Customer 1 Sold-to Party
- Domestic US Customer 1 Bill-to Party
- Domestic US Customer 1 Payer
- Domestic US Customer 1 Ship-to Party

Situation templates in Sales



New Business Processes and Functionalities

Business Area and Business Capability Overview



New business capabilities in SAP S/4HANA



New Business Processes and Functionalities

Sales Lead Management

- Accelerate the process between initial interest and a sale
- Automate the first step in the presales process
- Create leads manually or automatically
- Classify the leads
- Assign leads to a responsible party
- Use questionnaires and surveys to evaluate leads
- Define rules for document distribution
 - Qualification
 - Survey assignment
 - Deduplication
 - Creation via Workflow
 - Rule based distribution
 - Follow-up documents

SAP Leads

Lead: 557, srv04, Andersons and Sons

Lead Details | **Parties Involved** | Notes | Assessments | Products | Attachments | Transaction History

Lead Details	Parties Involved	Notes	Assessments	Products	Attachments	Transaction History
	Contact Person		332037		Mr. Bowen Zhang	45 45 Lispenard Street 7E / New York NY 1...
	Contact Person		9980004970		Ms. Barbara Lee	<input checked="" type="checkbox"/>
	Contact Person		WDF1_CTC_1		WDF1 Tester 1	TC Road 12 / Los Angelos CA 12345
	Contact Person		WDF1_CTC_2		WDF1 Tester 2	TC Road 12 / Los Angelos CA 12345
	Employee Responsible		9980011144		Ms. Barbara Lee	<input checked="" type="checkbox"/>
	Sales Prospect		C0016		Andersons and Sons	TC Road 12 / Los Angelos CA 12345 <input checked="" type="checkbox"/>

> Notes

Assessments

Actions	ID	Description	Version
	LEAD QUESTIONNAIRE	Testing	

[Link to documentation](#)



New Business Processes and Functionalities

Opportunity Management

- Opportunity: the sales prospect, its requested products or services, budget, potential sales volume, and estimated sales probability, which is defined over the course of the sales cycle and can be displayed and evaluated
- Start of sales cycle for a product or service – when an opportunity for sales is recognized
- End of sales cycle – when a sales order is received or a rejection comes from the customer
- Some of the things you can do in opportunity management:
 - Create a sales methodology to suit your sales processes
 - Map sales cycles and stages
 - Classify your opportunities
 - Create opportunity hierarchies
 - Use sales methodology tools to help your sales employees

Select Transaction Type

Select Transaction Type

Search Q [List Icon] [Settings Icon]

Transaction Type	Transaction Type Description
OPPT	Opportunity Default
OPSM	Sales Methodology

Close

SAP Search: Opportunities All Search Q [Help Icon] [Bell Icon] [User Icon]

Opportunity Default: 82, Quotation Opp, ste... [New] [Edit] [Delete] [Copy] [Create Follow-Up] [Trigger Output] [More]

Opportunity Details Items Contacts Competitors Sales Team Planned Activities Completed Activities Transaction History Attachments Notes Sales Stage History

Search Q [Edit List] [Insert] [Delete] [List Icon] [Print Icon] [More]

Actions	Function	Name	Phone	Extension	E-Mail	Position	Personnel No.
[Trash Icon]	Sales Representative	Ms. Ann Anderson					511
[Trash Icon]	Employee Responsible	Ms. Ann Anderson					511

> Planned Activities

> Completed Activities

> Transaction History

Search Q [Subsequent Assignment] [List Icon] [Print Icon] [More]

Actions	Transaction	Transaction Type	Date
	20001501	Customer Quotation	28.02.2019

[Link to documentation](#)



New Business Processes and Functionalities

Activity Management

- Create activities such as interaction logs or appointments to document interactions with customers
- Create tasks to manage workloads
- View appointments and activities in the calendar
- Access the fact sheet for valuable information about accounts
- Monitor activities using the worklist and search facilities

The screenshot shows the SAP Activity Management interface for a task titled "Task: C65_VK001_Create Product Presentati...". The interface includes a search bar at the top with "Search: Activities" and a dropdown menu set to "All". Below the search bar, there are tabs for "Task Details", "Attachments", "Transaction History", "Scheduled Actions", "Questionnaires", and "Reference Objects". The "Task Details" tab is active, showing a "Show More" button. Below this, there are sections for "Attachments", "Transaction History", "Scheduled Actions", "Questionnaires", and "Reference Objects". The "Transaction History" section is expanded, displaying a table with the following data:

Actions	Transaction	Transaction Type	Date
	C65_VK001_Visit according to campaign	Appointment	28.02.2019

Additional interface elements include a search bar within the table, a "Subsequent Assignment" link, and various icons for table manipulation.

[Link to documentation](#)



New Business Processes and Functionalities

Account and Contract Management

- Search and display accounts, contacts, employees
- Create and maintain account and contact data
- Classify account and maintain account life-cycle
- View all relevant information at a glance
- Use the PDF account fact sheet to distribute relevant information

The screenshot shows the SAP Accounts interface for a Corporate Business Partner named 'Automobex Ltd...'. The 'Interaction History' tab is active, displaying a table of transactions. Below the table are expandable sections for 'Sales Area Data', 'Relationships', and 'Attachments'.

Transaction Type	ID	Description	Status	Start Date	End Date
Service Order	800001...	TEST_NISHA	Open	30.06.2020	30.06.2020
Service Order	800007...	Pranoti Procurement	Released	13.02.2022	13.02.2022
Service Order	800001...	Test_SNE_NI	Released	30.06.2020	30.06.2020
	800005...	Testing Partner Sync	In Process	12.08.2021	12.08.2021
	800005...	Partner Syn-1	Released	12.08.2021	12.08.2021

[Link to documentation](#)



New Business Processes and Functionalities

Sales Quotation Management

Creation and editing of sales quotations with the SAP Fiori app “Manage Sales Quotations”

Create and edit sales quotations quickly and intuitively with the new SAP Fiori app, which enables:

- Efficient creation of sales quotations, with immediate determination of pricing
- Ability to adopt the UI to company best practices using key-user adaptation; for instance, show, hide, or rearrange standard and extension fields
- Embedded analytics with context-based navigation
- Quick actions accelerating users' work
- Mass data entry through XLS cut and paste capabilities

Manage duplicate quotations

- Display of two sales documents on one screen through the SAP Fiori user experience
- Comparison of potential duplicate sales documents detected in the Manage Duplicate Sales Documents app

Sales Quot. I/F	Sold-to Party	Customer Reference	Valid From	Valid To	Overall Status	Net Value	Document... I/F
20001712	HyperCom Inc. (NY) (554100252)	PUT20220810095833	08/10/2022	09/15/2022	Open	100,00 MYR	08/10/2022
20001711	HyperCom Inc. (NY) (554100252)	PUT20220810095819	08/10/2022		Open	789,80 MYR	08/10/2022
20001710	HyperCom Inc. (NY) (554100252)	PUT20220810095740	08/10/2022	09/17/2022	Open	100,00 MYR	08/10/2022
20001709	HyperCom Inc. (NY) (554100252)	PUT20220810095653	08/10/2022	08/15/2022	Completed	100,00 MYR	08/10/2022
20001708	HyperCom Inc. (NY) (554100252)	PUT20220810095425	08/10/2022	08/15/2022	Completed	100,00 MYR	08/10/2022
20001707	HyperCom Inc. (NY) (554100252)	PUT	08/10/2022	08/15/2022	Completed	0,00 MYR	08/10/2022
20001706	HyperCom Inc. (NY) (554100252)	PUT20220810094534	08/10/2022	09/20/2022	Open	150,00 MYR	08/10/2022
20001705	Domestic Customer US 3 (17100003)		08/08/2022	08/08/2022	Open	17,55 USD	08/08/2022
20001704	Inlandskunde DE 3 (10100003)		08/08/2022	08/08/2022	Open	17,55 EUR	08/08/2022
20001703	Domestic Customer US 3 (17100003)		08/08/2022	08/08/2022	Open	17,55 USD	08/08/2022
20001702	Inlandskunde DE 3 (10100003)		08/08/2022	08/08/2022	Open	17,55 EUR	08/08/2022
20001701	Domestic Customer US 3 (17100003)		08/07/2022	08/07/2022	Open	17,55 USD	08/07/2022
20001700	Inlandskunde DE 3 (10100003)		08/07/2022	08/07/2022	Open	17,55 EUR	08/07/2022
20001699	Domestic Customer US 3 (17100003)		08/07/2022	08/07/2022	Open	17,55 USD	08/07/2022
20001698	Inlandskunde DE 3 (10100003)		08/07/2022	08/07/2022	Open	17,55 EUR	08/07/2022
20001697	Domestic Customer US 3 (17100003)		08/06/2022	08/06/2022	Open	17,55 USD	08/06/2022
20001696	Inlandskunde DE 3 (10100003)		08/06/2022	08/06/2022	Open	17,55 EUR	08/06/2022
20001695	Domestic Customer US 3 (17100003)		08/06/2022	08/06/2022	Open	17,55 USD	08/06/2022
20001694	Inlandskunde DE 3 (10100003)		08/06/2022	08/06/2022	Open	17,55 EUR	08/06/2022
20001693	BP Multi Addresses DE 01 (S10103280)	PUT	08/05/2022	08/10/2022	Open	10,00 EUR	08/05/2022
20001692	HyperCom Inc. (NY) (554100252)	PUT20220805091316	08/05/2022	08/10/2022	Completed	0,00 MYR	08/05/2022
20001691	HyperCom Inc. (NY) (554100252)	PUT20220805091227	08/05/2022	08/12/2022	Open	100,00 MYR	08/05/2022
20001690	HyperCom Inc. (NY) (554100252)	PUT20220805091151	08/05/2022		Open	789,80 MYR	08/05/2022

[Link to documentation](#)



New Business Processes and Functionalities

Solution Billing

Solution billing capability enables an omnichannel approach, creating one single invoice combining billable items from different channels (e.g. internal and external) and billing categories (e.g. one-time billing, recurring billing, and usage-based billing).



Delivery



Debit Memo Request



External Billing Request



Sales order

Billing Document

Invoice
90072544

Payer: 1010 Supplying Plant Intercompany (16759) | Sold-to Party: 1010 Supplying Plant Intercompany (16759) | Billing Document Status: Completed | Net Value: 4,20 EUR | Tax Amount: 0,00 EUR | Total Amount: 4,20 EUR

Process Flow

```

    graph LR
      A[Order Processing] --> B[Invoicing]
      B --> C[Accounting]
      A --> A1[Standard Order 133793]
      A1 -- Trade Compliance... --> B
      B --> B1[Invoice 90072544]
      B1 -- Completed --> C
      C --> C1[Journal Entry 100000532]
      C1 -- Not Cleared --> B
  
```

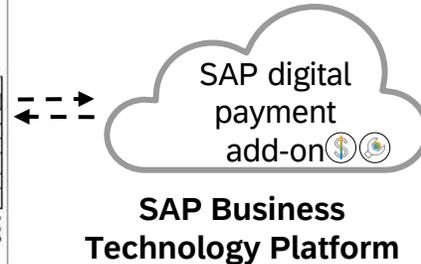
Pricing Data

One single Invoice

Invoice: 90001919

Category	Description	Amount
1	Equip-Service 11 (E)	100,00 EUR
2	Equip-Service 11 (E) (E)	100,00 EUR
3	Equip-Service 11 (E) (E)	100,00 EUR
4	Equip-Service 11 (E) (E)	100,00 EUR

Payment Terms: Pay immediately with Debit Card | Total Net Amount: 122,710,00 EUR | Debit Tax: 20,290,00 EUR | Tax: 143,000,00 EUR



[Link to documentation](#)



New Business Processes and Functionalities

Sales Rebates

Condition Contracts

- In Settlement Management, a condition contract combines all information relevant to an agreement for conditions requiring subsequent settlement, the conditions for calculating the settlement amount and for posting accruals, and a settlement calendar for scheduling partial and final settlements or for delta accruals postings
- Create condition contracts to enter rebate agreements with rebate conditions and other contractual data
- Monitor the business volume related to condition contracts
- Post accruals with transactional documents or for a delta accruals settlement in an aggregated way

[Link to documentation](#)

The screenshot displays the SAP 'Manage Condition Contracts - Sales Rebates' interface. At the top, there are search filters for 'Condition Contract', 'Contract Type', 'Customer', 'External Identifier', 'Valid From', and 'Valid To'. Below the filters is a table listing 'Condition Contracts (28)'. Two contracts are visible:

Condition Contr...	Contract Type	Customer	External Identifier	Valid From	Valid To	Activation Status
233	Sales Rebate - Multiple Customers (0S02)			23.05.2023	25.05.2023	Inactive
231	Sales Rebate - Multiple Customers (0S02)			23.05.2023	25.05.2023	Inactive

The detailed view of a 'Condition Contract' (ID 166) shows the following data:

Customer	Current Contract Value	Open Accruals Amount	Activation Status	Settlement Lock Status	Status
CCM Customer Multiple Adresses 3 (CCMCUSTMA3)	40,00 EUR	0,00 EUR	Active	Not Locked	Released

The 'Document Flow' section shows a flow from a 'Condition Contract' (Document 166, Condition 0SG1) to a 'Sales Rebate Goods...' document (Document 1051, Actual Date 08.10.2021, Settlement Date 08.10.2021, Settlement Doc. 0SA2). The document details include 'Type' and 'Posting Status' (A - Accounting Documents Exist).



New Business Processes and Functionalities

Sales Rebates

Settlement Calendar for Condition Contracts

- Perform partial settlements and a final settlement automatically based on a settlement calendar and pay out rebates to customers in time to increase satisfaction
- Track transactional documents processed in settlement runs to fulfill auditing requirements
- View the settlement calendar of the selected condition contracts

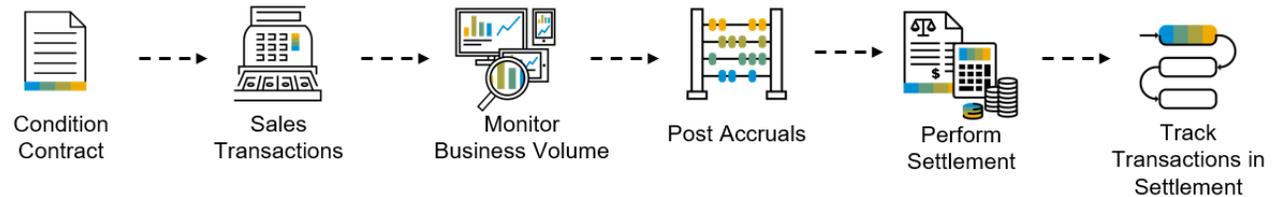
SAP Display Settlement Dates

Standard

Condition Contract: Settlement Date: Settlement Date Type: Supplier: Customer: Sales Organization: Purchasing Organization: Settlement Status: Scheduling Worklist ID:

All Contracts Customer Contracts Supplier Contracts

Condition Contract	Settlement Date	IF	Settlement Date Type	Customer	Sales Organization	Settlement Status	Scheduling Worklist ID
147	11.10.2021		Partial Settlement	CCM Customer Multiple Adresses 4 (CCMCUSTMA4)	0001 (Sales Org. 0001)	Action Needed	
144	08.10.2021		Partial Settlement	ATP_Cust02 (ATP_CUST02)	0001 (Sales Org. 0001)	Action Needed	
145	08.10.2021		Partial Settlement	CCM Customer Multiple Adresses 1 (CCMCUSTMA1)	0001 (Sales Org. 0001)	Action Needed	
146	08.10.2021		Partial Settlement	CCM Customer Multiple Adresses 3 (CCMCUSTMA3)	0001 (Sales Org. 0001)	Action Needed	
148	08.10.2021		Partial Settlement	CCM Customer Multiple Adresses 5 (CCMCUSTMA5)	0001 (Sales Org. 0001)	Action Needed	
161	08.10.2021		Partial Settlement	CCM Customer Multiple Adresses 4 (CCMCUSTMA4)	0001 (Sales Org. 0001)	Action Needed	
162	08.10.2021		Partial Settlement	CCM Customer Multiple Adresses 4 (CCMCUSTMA4)	0001 (Sales Org. 0001)	Action Needed	
166	08.10.2021		Partial Settlement	CCM Customer Multiple Adresses 3 (CCMCUSTMA3)	0001 (Sales Org. 0001)	Action Needed	



[Link to documentation](#)



New Business Processes and Functionalities

Solution Portfolio Management

- Business solution portfolios bundle service contract items, service order items, sales order items, and subscription contract items that are related to a solution and its customer.
- One single view for all aspects of a customer's solutions
- Automatic creation of a business solution portfolio by reference ID from solution quotations
- Support of the object types "service contract", "subscription contract", "service order," and "sales order"
- Ability to add or remove objects in an existing business solution portfolio

The screenshot displays the SAP 'Manage Business Solution Portfolio' interface. On the left, a list of 50 'Business Solution Portfolios' is shown, each with a checkbox, a description, an external reference, and the sold-to party. The selected portfolio, 'Test_BSP_620', is highlighted. The main view shows details for 'Test_BSP_620' (ID: 1000000039), including its external reference, sold-to party, and leading currency. A 'Total Net Value by Transaction Type' bar chart shows 51.8% for Service Contracts and 47.6% for Service Orders. Below this, a table lists the portfolio's components:

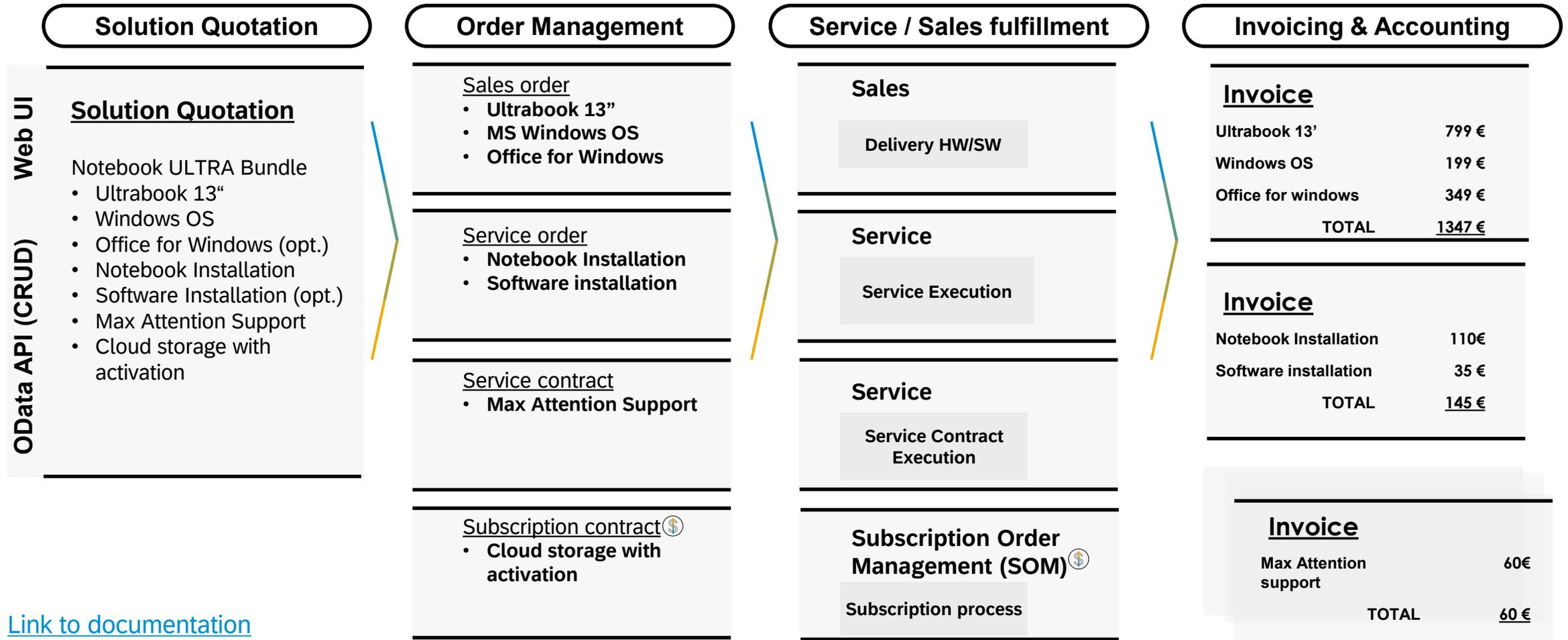
Transaction Type	Description	Item No.
Service Contract	Tax Dest Ctr CN Tag - UPD3 Product: Item 100 (SRV_01) Quantity: 1,000 HR	100
Service Contract	Tax Dest Ctr CN Tag - UPD3 Product: Item 200 (SRV_01) Quantity: 1,000 HR	200
Service Contract	CTU4 Automation By PTF Product: Service Product (SRV_01)	100

[Link to documentation](#)



New Business Processes and Functionalities

Solution Quotation Management



[Link to documentation](#)



New Business Processes and Functionalities

Solution Quotation Management

- Offer solutions by creating quotations for combinations of different types of products (such as tangible products, services, service contract items and sales contract items). These combinations of products can be modeled as product bundles in master data.
- Create solution quotation with sales item, service order item, service contract item, subscription items, and product bundles containing a combination of these items
- Automatically create respective follow-on documents to complete the end-to-end process
- Accept a solution quotation partially if at least one item in the quotation is in released status

SAP Service Order Quotations

Solution Quotation: 800002450, create dee...

Quotation Details **Items** Notes Payment Method Parties Involved Organizational Data Transaction History Additional External Reference Attachment

Show: All Items (Hierarchy)

Item No.	Product	Actions	Select	Product ID	Quantity	Unit	Item Category	Net ...	Cu...	Status
10	Product			CTU3_AUTO_SER...	1	D	Service Item	96,02	USD	Completed
20	Sales Item			CTU3_AUTO_SAL...	3	EA	Sales Item	120,00	USD	Completed
30	create service cont...			CTU3_AUTO_CO...	2	D	Service Contract Itm	516,00	USD	Completed
40	Expense Item			CTU3_AUTO_EXP...	1	EA	Expense	0,00	USD	Completed
50	Service Parts Item			CTU3_AUTO_PART	5	EA	Service Spare Item	10,00	USD	Completed
60	Monthly Subscripti...			CTU3_AUTO_SU...	1	EA	Subscription Item	0,00	USD	Completed

Transaction History

Actions	Transaction	Transaction Type	Date
	46751	Sales Order	21.10.2019
	create deep svcs part	Service Order	21.10.2019
	create deep svcs part	Subscription Contract Document	21.10.2019
	create deep svcs part	Service Contract	21.10.2019

[Link to documentation](#)



New Business Processes and Functionalities

Solution Quotation Management

Support of multilevel configuration in solution quotation management

- Support of multilevel configuration for subscription and physical products
- Ability to configure multilevel advanced variant configuration (AVC) products using the UI

Enable customers to gain flexibility and transparency using the following in solution quotation management:

- Offer configurable multilevel subscription products with increased efficiency and accuracy and predetermined rules
- Improve customer satisfaction with increased customization options

[Link to documentation](#)

SAP Service Quotation

Solution Quotation: 8000481338, mkl

Buttons: Create, Edit, Copy, Create Follow-Up, Send To Customer, Accept, Actions, Simulate Credit Check

Tabs: Quotation Details, **Items**, Notes, Payment Method, Transaction History, Additional External Reference

Show: All Items

Actions	Item No.	Higher-Level Item	Product ID	Bundle Structure	Quantity	Unit	Product	Item Category
	10		SOM_MSU_PVT_CLOUD_INFRA	SOM_MSU_PVT_CLOUD_INFRA	1	EA	Multi level Cloud Infrastructure	Sub.It.Qt. multi AVC
	20	10	SOM_IOF_ACTIVATION		1	AU	Subscription Activation Fee	Subscription One Off
	30	10	SOM_SCR_WL_CONTAINER		1	EA	Workload - Container	SubsttmOut multi AVC

> Notes

> Payment Method

Transaction History

Actions	Transaction	Transaction Type	Date
	mkl	Subscription Contract Document	15.08.2023



Updated Business Processes

Business Area and Business Capability Overview



Updated business capabilities in SAP S/4HANA



Updated Business Processes and Functionalities

Master Data Management

Business Partner Management and multiple addresses adoption in Order-to-Invoice Process

In SAP ERP, Customer and Vendor master data is maintained independently

In SAP S/4HANA Business Partner (BP) is the leading object and Customer & Vendor are the respective roles of the Business Partner

- Enablement of the Business Partner multiple addresses in order-to-invoice process
 - Sales documents (e.g. sales orders)
 - Outbound deliveries
 - Billing documents
- [Multiple Address Handling for Customer Master Data in SAP Business Partner](#)
- [Multiple Address Handling for Business Partners in Sales and Distribution](#)

[Link to documentation](#)



Business Partner: S10103280 BP Multi Addresses DE 01 / 68309 Mannheim
 *Display in BP role: PLCU01 Customer

Address Address Overview Identification Control Payment Transactions Sta

Address Overview

Cou...	Address Description	Valid From	Valid To
DE	Am Aubuckel 6 / 68309 Mannheim	08/11/2021	12/31/9999
DE	Friedenplatz 7 / 20456 Hamburg	08/11/2021	12/31/9999
DE	Brühlsche Gasse 5 / 01067 Dresden	08/11/2021	12/31/9999
DE	Ottostr. 4 / 80333 München	08/11/2021	12/31/9999
DE	Postplatz 3 / 20456 Hamburg	08/11/2021	12/31/9999
DE	Bahnhofstr. 2 / 10178 Berlin	08/11/2021	12/31/9999
DE	Hauptstr. 1 / 69619 Walldorf	08/11/2021	12/31/9999

Address Usages

- Standard Address
 - 08/11/2021-12/31/9999 Am Aubuckel 6 / 68309 Mannheim
- Billing Address
 - 08/11/2021-12/31/9999 Ottostr. 4 / 80333 München Standard
 - 08/11/2021-12/31/9999 Bahnhofstr. 2 / 10178 Berlin
 - 08/11/2021-12/31/9999 Am Aubuckel 6 / 68309 Mannheim
- Supplier Return-To Address
 - 08/20/2021-12/31/9999 Ottostr. 4 / 80333 München Standard
- Delivery Address
 - 08/11/2021-12/31/9999 Bahnhofstr. 2 / 10178 Berlin Standard
 - 08/11/2021-12/31/9999 Postplatz 3 / 20456 Hamburg
 - 08/11/2021-12/31/9999 Am Aubuckel 6 / 68309 Mannheim



Updated Business Processes and Functionalities

Price Management

Uploading of prices using template-based spreadsheets

Use of the Manage Prices – Sales app to:

- Select a specific template for the combination of price-relevant attributes
- Download the template to a spreadsheet
- Specify values in the spreadsheet for amount, currency, price unit, and unit of measurement for price-relevant fields and validity dates
- Create or change condition records by uploading the spreadsheet

The screenshot displays the SAP Manage Prices - Sales app interface. At the top, there are filter options for Editing Status (All), Filter Method (Filter with Applicable Crit...), Condition Type (Customer Discou...), Key Combination, Valid On (dd.MM.yyyy), Condition Record No., and Approval Request ID. Below these are Release Status, Customer, Sales Organization, and Distribution Channel filters. A 'Go' button and 'Adapt Filters (3)' link are also present.

The main section shows a table of 'Condition Records (13)'. The table has columns for Condition Type, Condition Table, Customer, Sales Organization, Distribution Channel, Valid From, Valid To, Condition Amount or Ratio, and Pricing Unit. The data rows show various condition records for different customers and sales organizations.

Below the table is a spreadsheet interface for editing data. The spreadsheet has columns A through I. Row 2 is highlighted as a 'Condition Key' with columns: Condition Type, Condition Table, Access, Sales Organization, Distribution Channel, Product, Release Status, and Customer. Row 4 shows data for PPR0 with values 305 and 010. Row 5 shows data for PPR0 with values 304 and 040. Row 8 is another 'Condition Key' with columns: Condition Type, Condition Table, Access, Sales Organization, Distribution Channel, Product, Release Status, Customer, Condition Record No., and Sequence. Row 10 shows data for PPR0 with values 305, 1010, 10, TG13, 1000081, 000068348, and 01. Row 11 shows data for PPR0 with values 305, 1010, 10, TG12, 1000081, 000068268, and 01. Row 12 shows data for PPR0 with values 305, 1010, 10, TG11, 1000081, 000068248, and 01.

[Link to documentation](#)



Updated Business Processes and Functionalities

Price Management

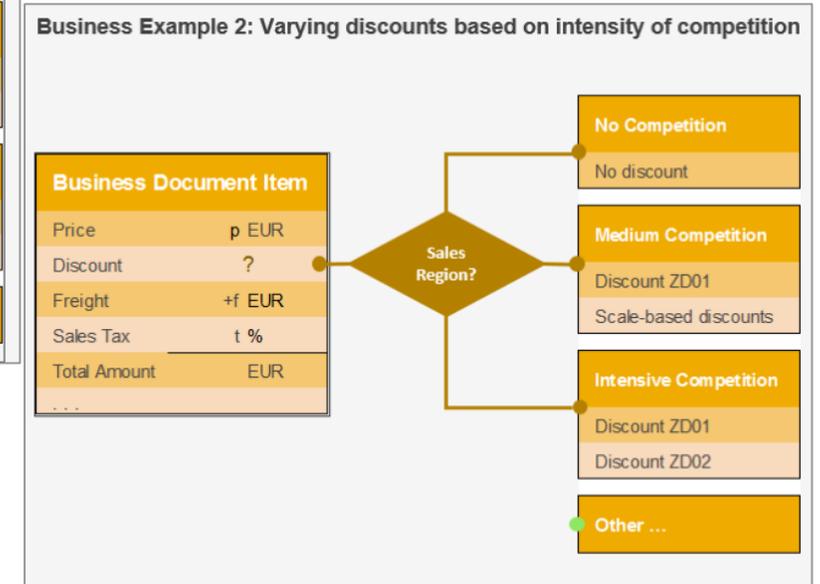
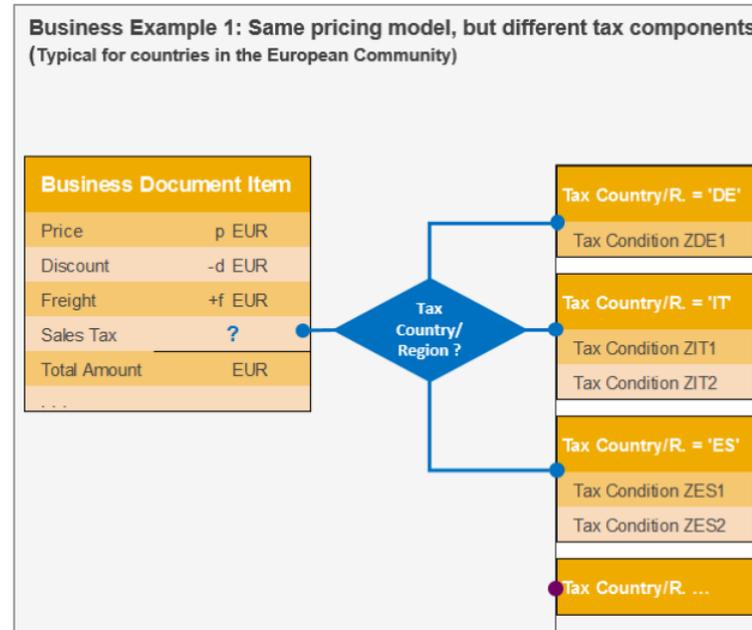
Pricing procedure configuration to handle international sales transactions and tax requirements

Carve out into separate sub pricing procedures:

- Country-dependent pricing conditions (such as tax conditions)
- Recurring parts of pricing procedures (for example, for freights, discounts, and surcharges)

Dynamically include additional condition types of the sub pricing procedure:

- Basing it on the configured formula for sub procedure determination
- During the pricing process in a business document



[Link to documentation](#)



Updated Business Processes and Functionalities

Price Management

Configure role-based access to price and cost details in sales documents

Configure which user roles can access which price and cost details of a pricing procedure in the following SD documents:

- Sales order
- Credit memo request
- Debit memo request
- Customer return
- Billing process documents

Restrict access to sensitive price and cost information in the following SD documents:

- Sales order
- Credit memo request
- Debit memo request
- Customer return
- Billing process documents

Configuration



Access Levels for Price Elements	
Access Level	Description
1000	Level 1 - Low Sensitivity
8000	Level 8 - High Sensitivity

Pricing Procedure		
Description	Cond. Type	Access Level
Price	ZPR0	1000
Discount	ZD01	1000
Freight	ZF01	1000
Net Value		1000
Sales Tax	ZTX1	1000
Total Value		1000
Internal Cost	ZPIP	8000
Margin		8000
...		

Different Access to Price Elements of a Sales Order



Michael
Logistics Expert

Valid Access Rules:

- ✓ Display discounts
- ✓ No access to internal costs and profit margin

Read Access 1000  **No Write Access**



Clara
Internal Sales Representative

Valid Access Rules:

- ✓ Display discounts
- ✓ Display internal costs and profit margin

Read Access 1000-8000  **No Write Access**



Nasreen
Sales Manager

Valid Access Rules:

- ✓ Change discounts
- ✓ Display internal costs and profit margin

Read Access 1000-8000  **Write Access 1000** 

Sales Order Item		
Price	ZPR0	101.50 EUR
Discount	ZD01	-5.00 EUR
Freight	ZF01	+3.50 EUR
Net Value		100.00 EUR
Sales Tax	ZTX1	19 %
Total Value		119.00 EUR
Internal Cost	ZPIP	73.87 EUR
Margin		26.13 EUR
...		

Example: Role based access to price elements

[Link to documentation](#)



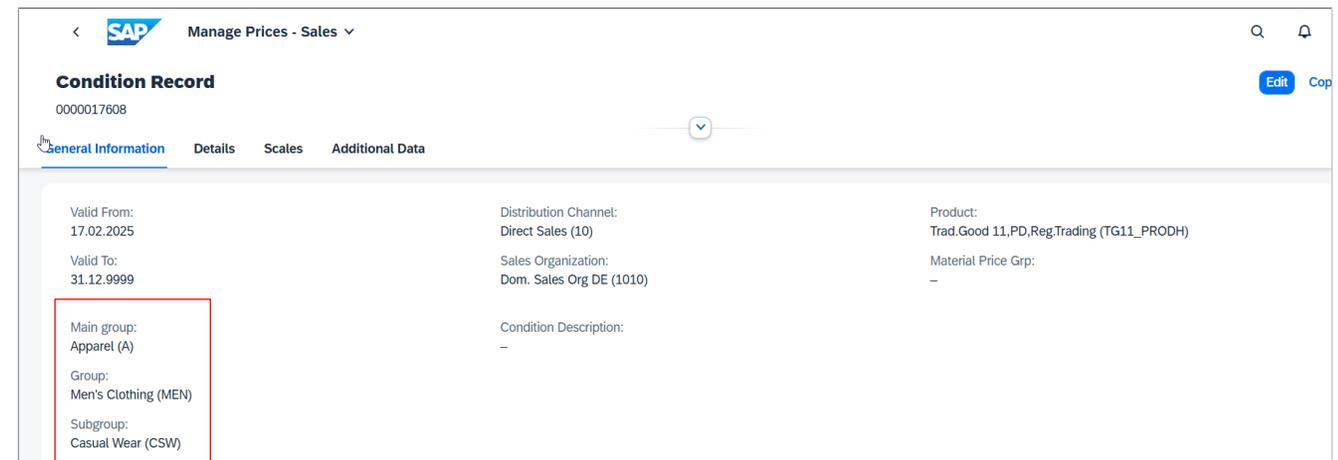
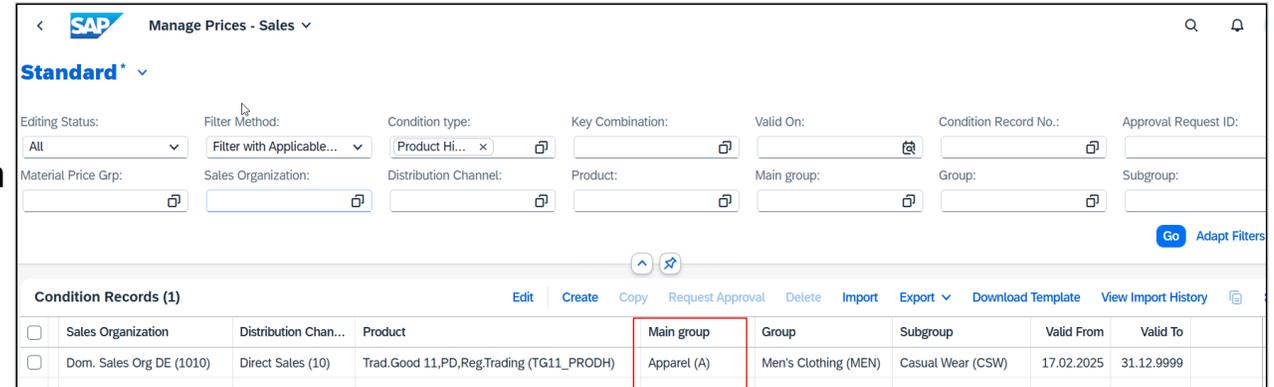
Updated Business Processes and Functionalities

Price Management

Use of prices in the Manage Prices – Sales app that are specific to the product hierarchy level

The Manage Prices - Sales app now supports product hierarchies to flexibly create prices that are offered in the form of condition records as the pricing master data. This enhancement allows for more organized and efficient pricing management by grouping materials based on various characteristics.

- spreadsheet export and import through the SAP OData Provisioning service
- Replicate prices through Simple Object Access Protocol (SOAP)
- Make prices part of a multilevel approval workflow
- In the standard system, the product hierarchy includes three levels
- If more than three levels are needed, the product hierarchy can have up to nine levels with 18 characters. Product hierarchy nodes can be defined at each level. For more information, see SAP Note [1070939](#)



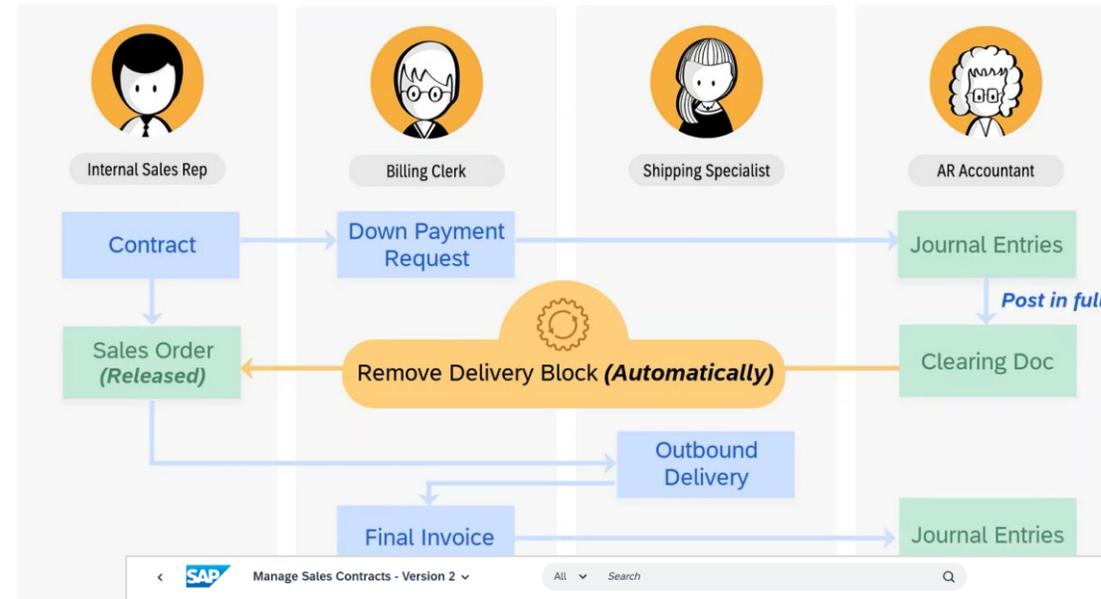


Updated Business Processes and Functionalities

Sales Contract Management

Enable down payment processing for sales quantity contracts using billing plans

- Create a sales contract with a down payment agreement using the milestone billing plan
- Create a contract-release order with reference to the sales contract with a delivery block on the schedule line level
- After the down payment request has been cleared, automatically remove the delivery block in the contract release order
- Create a delivery-related billing document with the cleared down payment items through the contract release order with reference to the sales contract



SAP Manage Sales Contracts - Version 2

Standard

Sales Contract: Sold-to Party: Overall Status: Customer Reference: Valid To: Document Date:

Approval Status: Down Payment Status: (Missing Payment) x

Go Adapt Filters (1)

Sales Co...	IF	Sold-to Par	Down Payment Status	Valid From	Valid To	Overall Status	Approval Status
40007091		BP_CUST1	Partially Paid (Missing Payment) (B)	23.04.2019	30.04.2019	Open	Not Relevant
40007088		BP_CUST1	Partially Paid (Missing Amount) (C)	23.04.2019	30.04.2019	Open	Not Relevant
40002385		BP_CUST1	Fully Paid (D)	11.04.2019	30.04.2019	Completed	Not Relevant
40007075		BP_CUST1 (BP_CUST1)	Partially Paid (Missing Amount)	26.03.2019	25.04.2019	In Process	Not Relevant
40007074		BP_CUST1 (BP_CUST1)	Partially Paid (Missing Amount)	26.03.2019	25.04.2019	In Process	Not Relevant

[Link to documentation](#)

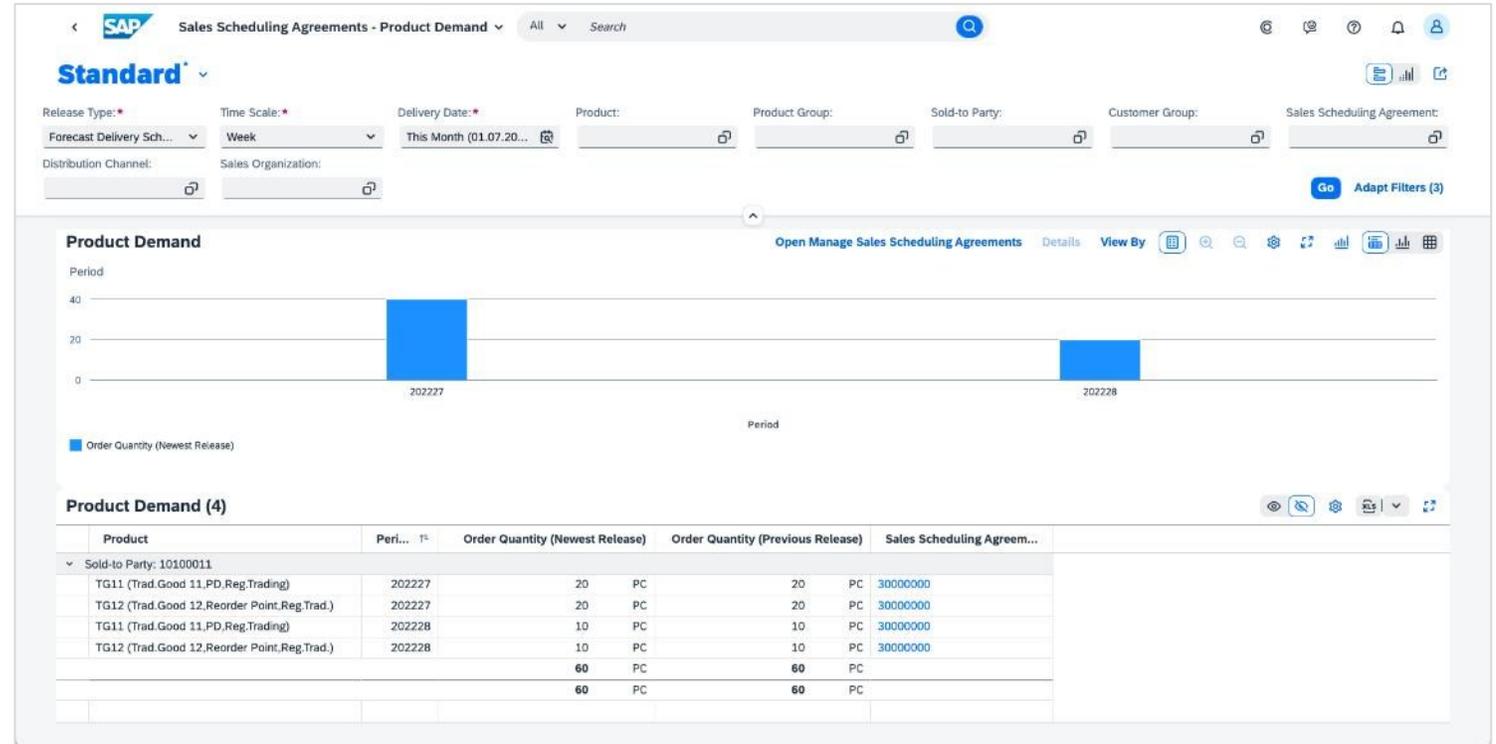


Updated Business Processes and Functionalities

Sales Contract Management

Sales scheduling agreements – product demand: preview of delivery schedules

- Enable preview of previous release (delivery schedule) order quantity
- Enable navigation to the Manage Sales Scheduling Agreements app
- Enable preview of Sales Scheduling Agreements in the list page and navigation to Delivery Schedule - Demand Deviation



[Link to documentation](#)



Updated Business Processes and Functionalities

Sales Order Management and Processing

Track Sales Orders

- Internal sales representatives can monitor the fulfillment status of sales orders across the entire process chain of the order-to-cash process, enabling them to respond to customers and internal partners
- Insight to action – resolve issues instantly by drilling down
- Communicate with customers, collaborate with the team
- Navigate to sales order details to visualize the sales order fulfillment status and its subsequent documents

The screenshot displays the SAP Track Sales Orders interface. At the top, there are search filters for Sales Document, Sold-to Party, Customer Reference, Requested Delivery Date, Overall Status, and Document Date. Below this is a table of Sales Documents (27.278) with columns for Sales Document, Overall Fulfillment, Order Processing, Supply Processing, Delivery Processing, Process Phase, Requested Deliv..., and Net Value. The table lists several sales orders with their respective fulfillment and processing statuses.

Drilling down into a specific sales order (135056) shows a detailed fulfillment process flow. The flow includes steps such as Order Processing, Supply Processing, Intercompany Processing, Delivery Processing, Transportation, and Invoicing. The process flow is visualized with icons and arrows, showing the progression of the order through various stages and the resulting documents.

Sales Document	Overall Fulfillment	Order Processing	Supply Processing	Delivery Processing	Process Phase	Requested Deliv...	Net Value
55470	✗	✓		✗	Delivery Processing	28.06.2021	50,00 EUR
135071	✗	✓					
135068	✗	✗					
135062	✗	✓					
135061	✗	✓					
135060	✗	✗					
135059	✗	✗					
135055	✗	✓					
135056	✗	✓					
135054	✗	✓					

[Link to documentation](#)



Updated Business Processes and Functionalities

Sales Order Management and Processing

Detection of expiring payment-card authorizations and an option to reauthorize the sales orders

- List sales orders with payment card authorizations that are about to expire or have already expired
- Select one or more sales orders and trigger reauthorization of the payment cards

SAP Resolve Payment Card Issues - ... My Favorites Search In: "My Favorites"

Standard* No filters active

Sales Orders (204) Reauthorize

Sales Order	Sold-to Party	Customer Reference	Overall Status	Authorization D...	Expiration ...	Outbound Delivery
<input type="checkbox"/> 18280	Inlandskunde DE 2 (10100002)	r	Completed	2023/07/06	2023/08/04	80036167
<input type="checkbox"/> 18543	Inlandskunde DE 2 (10100002)	TS Paypal - PC 2	Completed	2023/07/06	2023/08/04	80036167
<input type="checkbox"/> 18545	Inlandskunde DE 2 (10100002)	TS Paypal - PC 2	Completed	2023/07/06	2023/08/04	80007845
<input type="checkbox"/> 18545	Inlandskunde DE 2 (10100002)	TS Paypal - PC 2	Completed	2023/07/06	2023/08/04	80007846
<input type="checkbox"/> 18545	Inlandskunde DE 2 (10100002)	TS Paypal - PC 2	Completed	2023/07/06	2023/08/04	80036167
<input type="checkbox"/> 20100	Inlandskunde DE 2 (10100002)	fc	Completed	2023/07/06	2023/08/04	80036167
<input type="checkbox"/> 119604	Connection Test Digital Payments CC3/715 <-> DPCEDEL/DEV-TEST (DP_TEST)	123	In Process	2023/07/06	2023/08/04	
<input type="checkbox"/> 78820	Domestic CustomerUS99 (1087149)	1233	Completed	2023/06/07	2023/07/06	80033239
<input checked="" type="checkbox"/> 58560	Domestic US Customer 101 (17100010)	AfterPay SO Integr. Test 675	Completed	2023/05/15	2023/07/05	80031589
<input checked="" type="checkbox"/> 58603	Domestic US Customer 101 (17100010)	AfterPav SO Integr. Test 895	Completed	2023/05/15	2023/07/05	80031590
<input checked="" type="checkbox"/> 58605	Domestic US Customer 101 (17100010)					
<input type="checkbox"/> 58608	Domestic US Customer 1 (17100001)					
<input type="checkbox"/> 58653	Domestic US Customer 1 (17100001)					
<input type="checkbox"/> 76879	Inlandskunde DE 2 (10100002)					
<input type="checkbox"/> 56800	Domestic US Customer 1 (17100001)					
<input type="checkbox"/> 56804	Domestic US Customer 1 (17100001)					
<input type="checkbox"/> 59942	TronicTrade Inc. (US) (S10100197)	DigPay	Completed	2023/05/19	2023/06/17	80023796

Messages

- Reauthorization has been triggered for order 58560.
- Reauthorization has been triggered for order 58603.
- Reauthorization has been triggered for order 58605.

[Link to documentation](#)



Updated Business Processes and Functionalities

Sales Order Management and Processing

Receive intelligent product and quantity proposals when creating sales orders

- Receive product and quantity recommendations based on historical data, while considering product listings and exclusions for the product proposals
- Fine-tune the provided proposals based on additional criteria such as customer or sales document type (for example, standard order)
- Enable external consumers to use the provided API to call the intelligent product proposal function

SAP Create Standard Order: Overview

Standard Order: _____ Net Value: 0.00 EUR

Sold-to Party: 10100001 Company Inlandskunde DE 1, street, 12345 Walldorf, Germany

Ship-to Party: 10100001 Company Inlandskunde DE 1, street, 12345 Walldorf, Germany

Cust. Reference: _____ Cust. Ref. Date: _____

Req. Deliv.Date: D 15.02.2023 Deliver.Plant: _____

Complete Dlv.: Total Weight: 0.000

Delivery Block: _____ Volume: 0.000

Billing Block: _____ Pricing Date: 02.03.2023

Pyt Terms: 0004 As of End of Month

Inco. Version: _____

Incoterms: EXW

Inco. Location1: Walldorf

All Items (Active product proposal)

Item	Material	Order Quantity	Un	S	Item Description	Customer Material Number	ItCa	HL Itm
<input type="checkbox"/>	TG11		PC	<input type="checkbox"/>	Handelsware 11, PD, normaler Ha...			0
<input type="checkbox"/>	TG12		KG	<input type="checkbox"/>	HAWA 12, Bestellpunkt, normaler ...			0
<input type="checkbox"/>	TG13		PC	<input type="checkbox"/>	Handelsware 13, Bestellpunkt, Str...	ROUNDING		0

Copy Product Proposal Quantity

Save Cancel

[Link to documentation](#)



Updated Business Processes and Functionalities

Sales Order Management and Processing

Available-to-promise (ATP) provides hybrid sourcing results

- Advanced available-to-promise returns a hybrid sourcing result on sales order item and subitems:
 - Source from internal (plants) and from external (supplier) locations, allowing for the optimal balance to be fulfilled for the customer in time and in full
 - Generate subitems for the third-party order processing, in which the third-party supplier ship to your plants or subsidiaries.
 - Combine items for standard order processing and third-party order processing to fulfill specific requirements.
- Enable a direct shipment from the supplier to the customer to bridge missing availability of parts that are not included in the customers' own stock

79073
Standard Order (OR)

Partners: Sold-to Party: Test ATP_CUST, Ship-to Party: Test ATP_CUST

Status: Overall Status: Open, Overall Block Status: Not Blocked, Incompletion Status: Complete

Net Sales Volume (YTD): 0,00 EUR, Net Value: 9.100,00 EUR

General Information | **Items** | Prices | Texts | Status and Blocks | Process Flow

Item	Higher-Level I...	Product	Requested Quantity	Confirmed Quantity	Item Category	Requested Deliver...	Confirmed Deliver...	Availability
10		ATP - TPOP direct ship material 2 ...	100 EA	100 EA	Standard Sourcing (TAPA)	14.08.2024	23.08.2024	Confirmed Later
20	10	ATP - TPOP direct ship material 2 ...	50 EA	50 EA	Standard Item (TAN)	14.08.2024	20.08.2024	Confirmed Later
30	10	ATP - TPOP direct ship material 2 ...	10 EA	10 EA	Standard Item (TAN)	14.08.2024	20.08.2024	Confirmed Later
40	10	ATP - TPOP direct ship material 2 ...	40 EA	40 EA	Third Party Item (TAS)	14.08.2024	23.08.2024	Confirmed Later
50		ATP - TPOP "bought-in" material 3...	90 EA	90 EA	Standard Sourcing (TAPA)	14.08.2024	23.08.2024	Confirmed Later
60	50	ATP - TPOP "bought-in" material 3...	50 EA	50 EA	Standard Item (TAN)	14.08.2024	20.08.2024	Confirmed Later
70	50	ATP - TPOP "bought-in" material 3...	10 EA	10 EA	Standard Item (TAN)	14.08.2024	20.08.2024	Confirmed Later
80	50	ATP - TPOP "bought-in" material 3...	30 EA	30 EA	Indiv.Purchase Order (TAB)	14.08.2024	23.08.2024	Confirmed Later

[Link to documentation](#)



Updated Business Processes and Functionalities

Sales Order Management and Processing

Flexible numbering of sales, delivery and billing documents, with configurable parameters and formulas

- Enable the various different sales and logistics documents types, excluding accelerated returns (ARM) orders, to invoke CPF to flexibly identify the wanted internal number range based on context of the document header
- Allow customers to use internal number range intervals with alphanumerical prefixes

Change View "CPF Parameter Catalog": Overview

Usage: S01

Parameter Name	Description (short)	Parameter Description	Referenced Data Type	Data Cat.
<input type="checkbox"/> COMPANYCODE	CoCode	Company Code	BUKRS	Data Element
<input type="checkbox"/> DISTRIBUTIONCHANNEL	Distr. Chl	Distribution Channel	VTWEG	Data Element
<input type="checkbox"/> ORGANIZATIONDIVISION	Division	Division	SPART	Data Element
<input type="checkbox"/> SALESDOCUMENTTYPE	SalesDocTy	Sales Document Type	AUART	Data Element
<input type="checkbox"/> SALESGROUP	Sales Grp	Sales Group	VKGRP	Data Element
<input type="checkbox"/> SALESOFFICE	Sales Off.	Sales Office	VKBUR	Data Element
<input type="checkbox"/> SALESORDERREASON	Ord.Reason	Order Reason	AUGRU	Data Element
<input type="checkbox"/> SALESORGANIZATION	S			
<input type="checkbox"/> SDDOCUMENTCATEGORY	D			

Change View "Define Decision Table": Overview

Usage: S01

Formula ID: DOCNUM_BY_COMPANY

Usage Task: SET_NUMBER_RANGE

Operator	Company Code	Number Range Interval	Number Range Prefix
<input type="checkbox"/>			

[Link to documentation](#)



Updated Business Processes and Functionalities

Sales Order Management and Processing

One-step payment: supporting the sales process with payment before the sales order is created

- Enable payment to happen before the sales order is created, for example, in a web shop and provide payment details during the creation of the sales order through an API
- Carry over liability and payment details from the sales application to the finance application
- Match the liability against the payment in the finance application
- Provide refunds through manual creation of credit memo requests and credit memos
- Reduce your financing cost or increase liquidity by shortening days sales outstanding (DSO)
- Simplify the settlement process for customers
- Extend your business to customers who prefer to pay for goods in advance
- Accelerate incoming digital payments by enabling customers to pay their liabilities before the goods are shipped

Order Number	757906
Date	Nov 15, 2024
Customer Number	1035165
Our tax Number	DESAPPUSH01



Scan QR code to pay or
[Click here](#)

Currency EUR

Conditions:			
Terms of payment	Up to 15.11.2024 without deduction	Terms of delivery	CFR
Inco. Version			
Inco. Location1	Cost and Freight		

Weights - Volume:	
Net weight:	5 KG
Gross weight:	6.25 KG

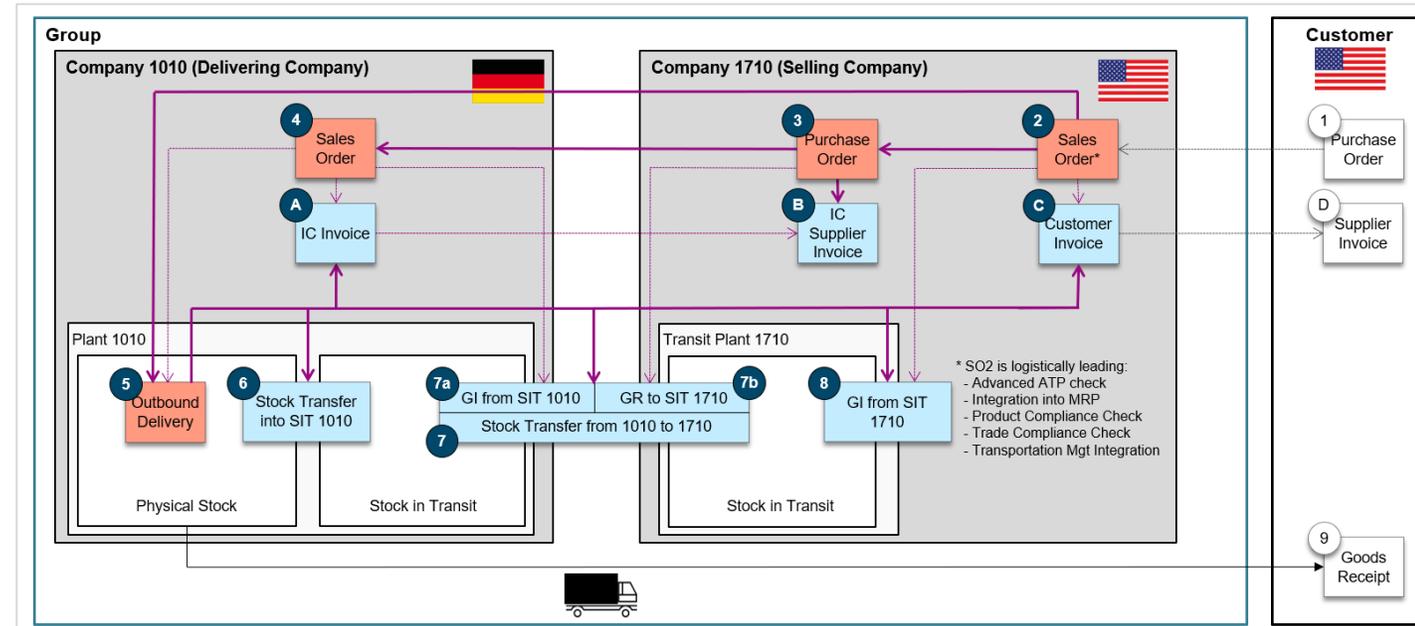


Updated Business Processes and Functionalities

Sales Order Management and Processing

Advanced Intercompany Sales

- Intercompany sales process:
- Receipt of a purchase order from an external customer by a sales organization assigned to a selling company
- Subsequent creation of a sales order for goods from a plant assigned to another company code, which acts as the delivering company
- Advanced intercompany sales process:
- Automatic creation of an intercompany purchase order in the selling company that, in turn, triggers the creation of an intercompany sales order in the delivering company
- Availability of all required business documents in both affiliates, documenting the process flow in an auditable fashion and providing the basis for consistent reporting on both sides
- Delivery of goods to the customer by the delivering company, which invoices the selling company
- Invoicing of the customer by the selling company
- Integration of the entire process into the value chain monitoring framework (VCM)
- For the transfer of control of goods between the affiliated companies and to the customer, system use of valuated stock in transit (VSIT)



[Advanced Intercompany Sales in SAP S/4HANA OP/Private Cloud](#)
[Customer Community Call](#)

[Link to documentation](#)



Updated Business Processes and Functionalities

Sales Order Management and Processing

Advanced Intercompany Sales

- **Highly automated end to end process** – fully integrated with:
 - Available-to-Promise check (ATP)
 - Material Resource Planning (MRP)
 - Product Compliance
 - Trade Compliance
 - Transportation Management
 - Support of IFRS 15 compliant for revenue recognition and Cost Of Goods Sold (COGS)
 - Product Costing
 - Profitability reporting across legal entities
 - Group Reporting / Consolidation
- **End to end value chain and process monitor**
 - Ensures process transparency with the ability of issue detection and document posting monitoring
- **Change** in customer-facing sales order is allowed, all follow-up documents will be **automatically updated**
- **Valuated Stock in Transit** in the Selling Company manages
 - Seamless change of control between affiliates and customer
 - Related material document posting automatically
- **Purchase Order** in the Selling Company enabling landed cost in product costing for the selling company

The screenshot displays the SAP Monitor Value Chains interface for document 133528. It shows the document's processing stage as 'Processed with Errors' and provides a link to view messages. A 'Pending Document' section highlights a 'Purchase Order' document with a 'Document Processing Stage: Error' and a 'Process Step Stage: Error'. A message log table is also visible, listing five messages with their types (Error, Warning) and timestamps.

Type	Text	Date/Time
Error	An exception was raised	21.11.2022, 05:30:14
Warning	Can delivery date be met?	21.11.2022, 05:30:14
Error	Intercompany Sales requires condition for supplier DIC2 material VCM_SA_002 unit EA	21.11.2022, 05:30:14
Error	Error when creating purchase order for sales order 0000133528.	21.11.2022, 05:30:14
Error	Error when synchronizing sales item 0000133528 000010 with purchase order	21.11.2022, 05:30:14

[Link to documentation](#)



Updated Business Processes and Functionalities

Sales Order Management and Processing

Sell-from-stock process with valuated stock in transit (VSiT)

Using sell-from-stock with valuated stock in transit (VSIT) process, you can:

- Use VSiT in the sell-from-stock process to enable a more precise valuation of the stock currently owned by your company than the standard sell-from-stock process can provide
- Define the conditions under which the system uses valuated stock in transit as part of a sell-from-stock process by:
 - Setting values for a given set of business attributes (sales organization, incoterms, plant) of sales document items as criteria
 - Using these criteria to decide whether a given sales document item is relevant for the sell from stock with valuated stock in transit (SFS w. VSiT) process
- Embed (VSiT) in the existing sell from stock process
- Reuse existing sales document types, item categories, and schedule line categories
- Enable goods-issue transfer processes:
 - Transfer the goods to VSiT of the delivering company through goods issue for outbound delivery
 - Transfer control to the customer, issuing the goods to the customer
- Execute goods issue automatically from VSiT to customer based on the newly introduced "transfer of control dates"
- Execute the sell-from-stock process with VSiT based on the process context, such as incoterms

[Link to documentation](#)



Updated Business Processes and Functionalities

Sales Billing

External billing document requests allow to persist billing data from external systems in SAP S/4HANA

- Appear in the billing due list alongside other SD documents
- Can be billed standalone or combined with internal billing data
- Create external billing document requests via
 - SOAP API
 - Excel upload

Manage Billing Document Requests

Standard

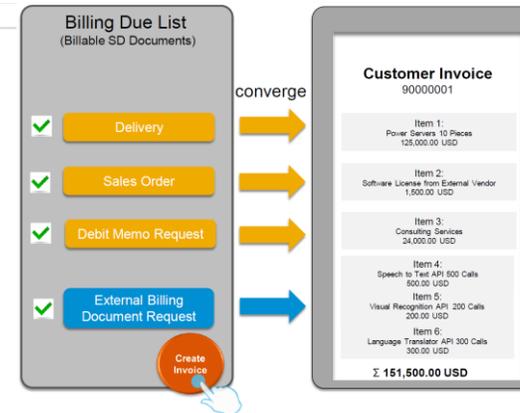
Search: [] Billing Document Request: [] Source Document: [] Sold-to Party: [] Status: [] Billing Date: [] BDR Type: []

Source Doc. Category: [External Transa... X] Source System: []

Adapt Filters (1)

Billing Document Requests (106)

Billing Document ...	Source Document	Sold-to Party	Status	Billing Date	Net Value	BDR Type	Source System
<input type="checkbox"/> 195000103	1708310902	Store for External Billing (ZAT_CUST01)	To Be Invoiced	05.06.2023	64,00 USD	Ext. Billing Doc. Request (BDR1)	QKV910
<input type="checkbox"/> 195000102	1708310901	Store for External Billing (ZAT_CUST01)	Invoiced	05.06.2023	64,00 USD	Ext. Billing Doc. Request (BDR1)	QKV910
<input type="checkbox"/> 195000101	605201018	Store for External Billing (ZAT_CUST01)	Invoiced	05.06.2023	96,00 USD	Ext. Billing Doc. Request (BDR1)	API_TEST
<input type="checkbox"/> 195000100	601011029	Store for External Billing (ZAT_CUST01)	Invoiced	02.06.2023	96,00 USD	Ext. Billing Doc. Request (BDR1)	API_TEST
<input type="checkbox"/> 195000099	1117075142	CUST_0001 (CUST_0001)	To Be Invoiced	17.11.2022	0,00 EUR	Ext. Billing Doc. Request (BDR1)	API_TEST
<input type="checkbox"/> 195000098	1117075141	CUST_0001 (CUST_0001)	To Be Invoiced	17.11.2022	0,00 EUR	Ext. Billing Doc. Request (BDR1)	API_TEST
<input type="checkbox"/> 195000097	1117075137	CUST_0001 (CUST_0001)	To Be Invoiced	17.11.2022	0,00 EUR	Ext. Billing Doc. Request (BDR1)	API_TEST
<input type="checkbox"/> 195000096	1117075136	CUST_0001 (CUST_0001)	To Be Invoiced	17.11.2022	0,00 EUR	Ext. Billing Doc. Request (BDR1)	API_TEST
<input type="checkbox"/> 195000095	1117075132	CUST_0001 (CUST_0001)	To Be Invoiced	17.11.2022	0,00 EUR	Ext. Billing Doc. Request (BDR1)	API_TEST
<input type="checkbox"/> 195000094				11.2022	0,00 EUR	Ext. Billing Doc. Request (BDR1)	API_TEST



[Link to documentation](#)



Updated Business Processes and Functionalities

Sales Billing

Preventing creation of blocked credit or debit memos after trade compliance check

- When a source document item of an order-related billing, debit memo request, or credit memo request item is blocked by SAP Global Trade Services (SAP GTS) during trade compliance check, the creation of the corresponding credit or debit memo item is suppressed, and a message is raised.
- Once the document is released in SAP GTS, the invoices can be processed as usual.

The screenshot shows the SAP 'Change Credit Memo Req WDF2 60027675: Overview' screen. It displays document details such as 'Credit Memo Req WDF2: 60027675', 'Net Value: 1.000,00 EUR', and 'Cust. Reference: GTS Block For Credit Memo'. A modal window titled 'SAP GTS compliance check results for blocked documents' is open, showing 'Document Number: 60027675' and 'Overall Status: Partially Blocked'. Below this, a table lists the results for item 10:

Item	Embargo Check	Screening Status	Legal Control	Blocking Reason LC
10	Released	Released	Blocked	License

The screenshot shows the 'Create Billing Documents' screen in SAP. A 'Messages' popup is displayed, stating: 'Document 60027675, Item 10: Item is blocked by Legal Control (SAP GTS)'. The background shows the 'Billing Due List Items (1)' table with one entry for document 60027675, category 'Credit Memo Request', and a net value of 10,00 EUR.



Updated Business Processes and Functionalities

Sales Billing

Preliminary billing documents

Provide preliminary billing documents, which are the basis for repeated negotiations with customers regarding billing document details:

- Create preliminary billing documents based on items in the "billing due" list (sales orders and deliveries, for example) by changing prices, attachments, or texts
- Display a print preview of the preliminary billing document
- Create and post the final billing document
- Output preliminary billing documents the same way as final billing documents (print and e-mail, for example)
- Workflow
- New Fiori app for scheduling the conversion of preliminary billing documents to billing documents
- The conversion of preliminary billing documents to billing documents can be executed in the background on a regular basis (e.g., periodic nightly runs)

Manage Preliminary Billing Documents

Standard

Search: [] Preliminary Billing Document: [] Billing Type: [] Sold-to Party: [] Status: [] Billing Date: [] [Go] Adapt Filters

Preliminary Billing ...	Billing Type	Sold-to Party	Status	Billing Date	Net Value
<input type="checkbox"/> PBD0000129	Invoice (F2)	Andersons and Sons (C0016)	Completed	17.12.2023	1,680.00 USD
<input type="checkbox"/> PBD0000128	Invoice (F2)	Andersons and Sons (C0016)	In Progress	01.08.2023	0,67 USD
<input type="checkbox"/> PBD0000150	Invoice (F2)	Test Credit Management 1 (1011712)	In Progress	06.12.2022	11,000.00 EUR
<input type="checkbox"/> PBD0000099	Invoice (F2)	Andersons and Sons (C0016)	Completed	13.05.2022	199,00 USD
<input type="checkbox"/> PBD0000098	Invoice (F2)	Andersons and Sons (C0016)	Completed	12.05.2022	199,00 USD
<input type="checkbox"/> PBD0000090	Invoice (F2)	Andersons and Sons (C0016)	Completed	12.05.2022	199,00 USD
<input type="checkbox"/> PBD0000097	Invoice (F2)	Andersons and Sons (C0016)	Completed	11.05.2022	199,00 USD
<input type="checkbox"/> PBD0000094	Invoice (F2)	Andersons and Sons (C0016)	Completed	11.05.2022	199,00 USD
<input type="checkbox"/> PBD0000093	Invoice (F2)	Andersons and Sons (C0016)	Completed	11.05.2022	199,00 USD
<input type="checkbox"/> PBD0000096	Invoice (F2)	Andersons and Sons (C0016)	Completed	10.05.2022	199,00 USD
<input type="checkbox"/> PBD0000092	Invoice (F2)	Andersons and Sons (C0016)	Completed	10.05.2022	199,00 USD
<input type="checkbox"/> PBD0000091	Invoice (F2)	Andersons and Sons (C0016)	Completed	10.05.2022	199,00 USD
<input type="checkbox"/> PBD0000088	Invoice (F2)	Andersons and Sons (C0016)	Completed	10.05.2022	199,00 USD
<input type="checkbox"/> PBD0000087	Invoice (F2)	Andersons and Sons (C0016)	Completed	10.05.2022	199,00 USD
<input type="checkbox"/> PBD0000086	Invoice (F2)	Andersons and Sons (C0016)	Completed	10.05.2022	199,00 USD
<input type="checkbox"/> PBD0000082	Invoice (F2)	Andersons and Sons (C0016)	Completed	10.05.2022	199,00 USD

Preliminary Billing Document

Invoice PBD0000129

General Information | Items | Business Partners

Bill-to Party: Andersons and Sons (C0016)	Billing Date: 17.12.2023	Reference: PBD0000129
Sold-to Party: Andersons and Sons (C0016)	Terms of Payment: 14 days 3%, 20/2%, 30 net	Tax Amount: 0,00 USD
Company Code: SAP SE (0001)	Incoterms: Costs, insurance & freight (CIF)	Net Value: 1,680.00 USD
Sales Organization: Sales America (5002)	Incoterms Location 1: CIF	Incoterms Location 2: -
	Issue Type: -	

Items

Standard

Prelim. Billing ...	Product	Billing Quantity	Net Value	Tax Amount
1	Service Product (SRV_01)	1,000 HR	1,680.00 USD	0,00 USD

Business Partners

[Link to documentation](#)



Updated Business Processes and Functionalities

Claims, Returns and Refund Management

Integration of customer returns and in-house repairs

Triggering of an in-house repair from a customer return order:

- Create an in-house repair as a follow-up document in the return order and in the material inspection
- After repair processing is complete, trigger the outbound delivery to send the repair object back to the customer

Triggering of a customer return order from an in-house repair:

- Create customer return orders as follow-up documents from the in-house repair
- Allow creation and management of repair quotations while the customer return order is in process
- Continue with the in-house repair upon completion of the customer return order

SAP Display: Material Inspection in Warehouse for Delivery 84000106

Processing Status: ■ Process Complete

Logistical Status: Complete

Refunding Status: Complete

Splits Exist: No

Delivery: 84000106 10

Ship-To Party: 10100003 Inlandskunde DE 3

Receiving Plant: 1010 Plant 1 DE

Goods Receipt Date: 21.07.2022

Returns Steps	Processing Status	Plant	Receiving Plant	Next Plants	Document Number	It...	Document Status	Approval Status
<input type="checkbox"/> Customer return received directly	■	1010						
<input type="checkbox"/> Returns Order	■	1010			60001720	10	Active	Not Relevant
<input checked="" type="checkbox"/> Returns Delivery	■	1010			84000106	10	Active	Not Relevant
<input type="checkbox"/> Goods Receipt	■	1010			4900011522	1	Active	Not Relevant
<input type="checkbox"/> Inspection	■	1010			500000000218	1	Active	Not Relevant
<input type="checkbox"/> Logistical Follow-Up	■	1010			500000000218	1	Active	Not Relevant
<input type="checkbox"/> Credit Memo Request	▲	1010			60001721	10	Document was Rejected	Not Relevant
<input type="checkbox"/> Transfer to In-House Repair (Service)	■	1010						
<input checked="" type="checkbox"/> In-House Repair (Service)	■	1010			100000137	10	Active	Not Relevant
<input type="checkbox"/> Goods Movement for In-House Repair (S...	■	1010			4900011531	1	Active	Not Relevant

[Link to documentation](#)



Updated Business Processes and Functionalities

Claims, Returns and Refund Management

Retroactive Creation of a Returns Purchase Order from an Order Confirmation

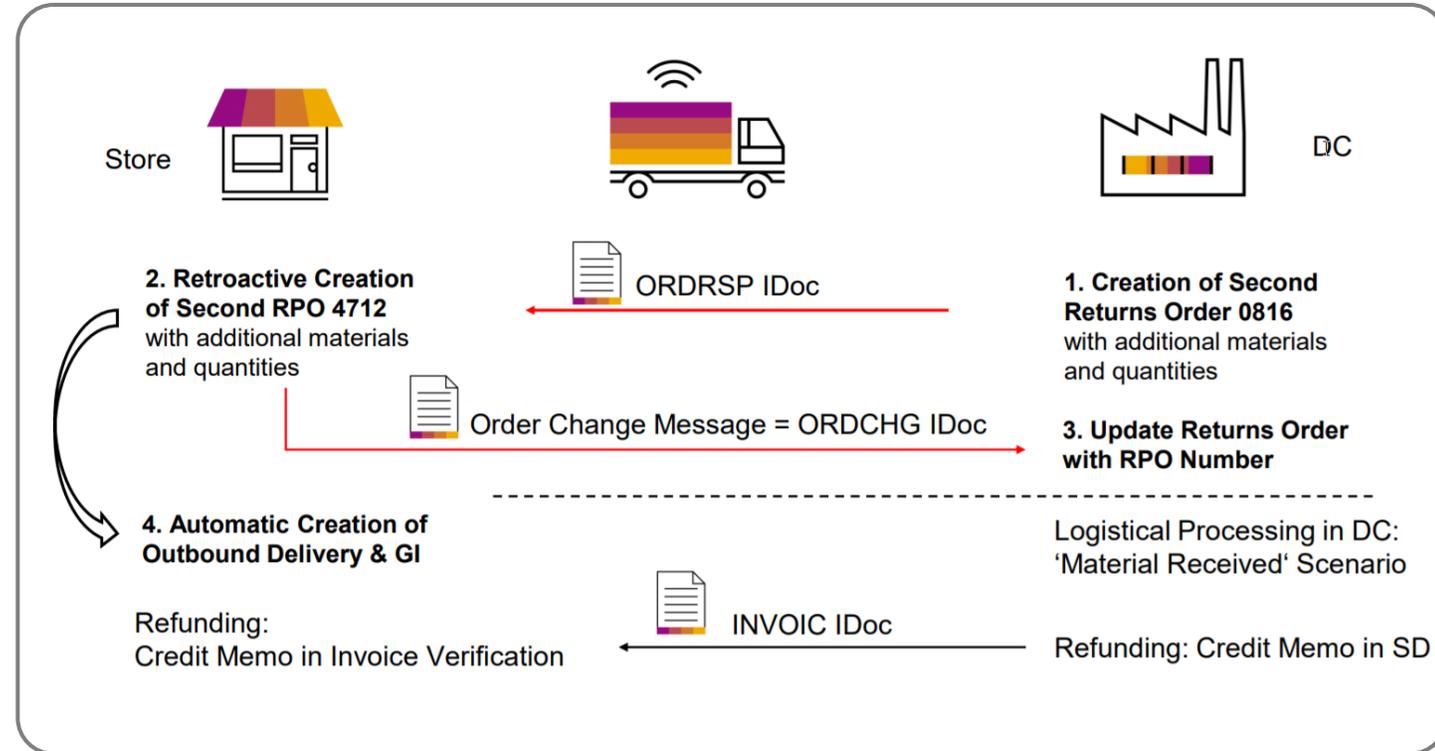
Suspending product valuation initiated by a refund in the customer returns process

Enter the inspection result when you create a returns order and before the product is returned.

Triggering of quality management notifications from advanced customer returns orders

Support for the refurbishment process using production and maintenance orders in customer returns

Valuating Returns Based On Preceding Sales Process



EDI based Process for retroactive creation of Returns Purchase Order



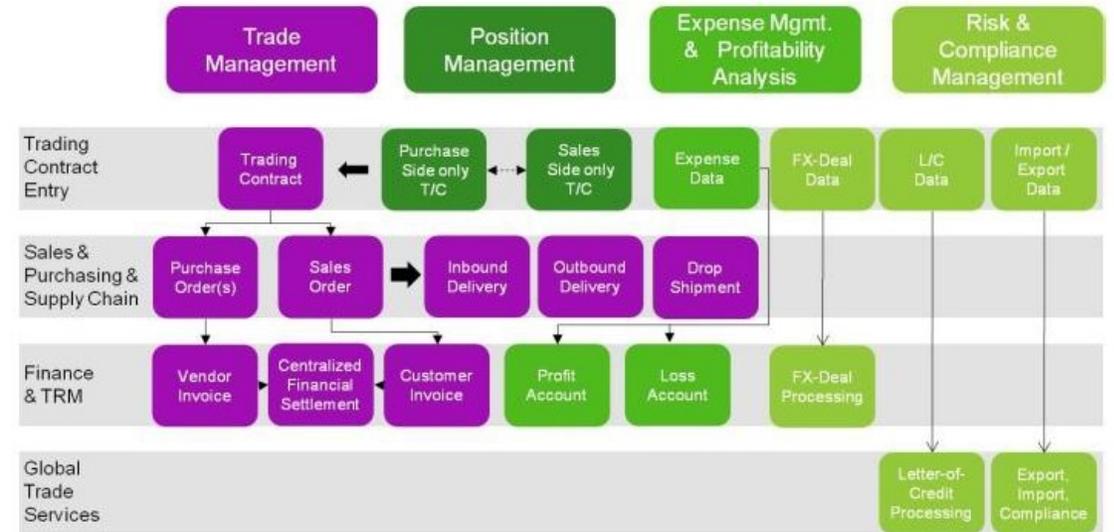
Out-of-the-Box Integration Global Trade Management

In the trading environment, it is necessary to control and organize the flow of materials and services from suppliers to customers. The principle of the business is to match demand from customer's with supply from supplier's.

This type of business is known as triangular business, principal business, or back-to-back business. In the SAP system, this type of business process, in which sales and purchasing processes are carried out simultaneously, is defined as Trading Business.

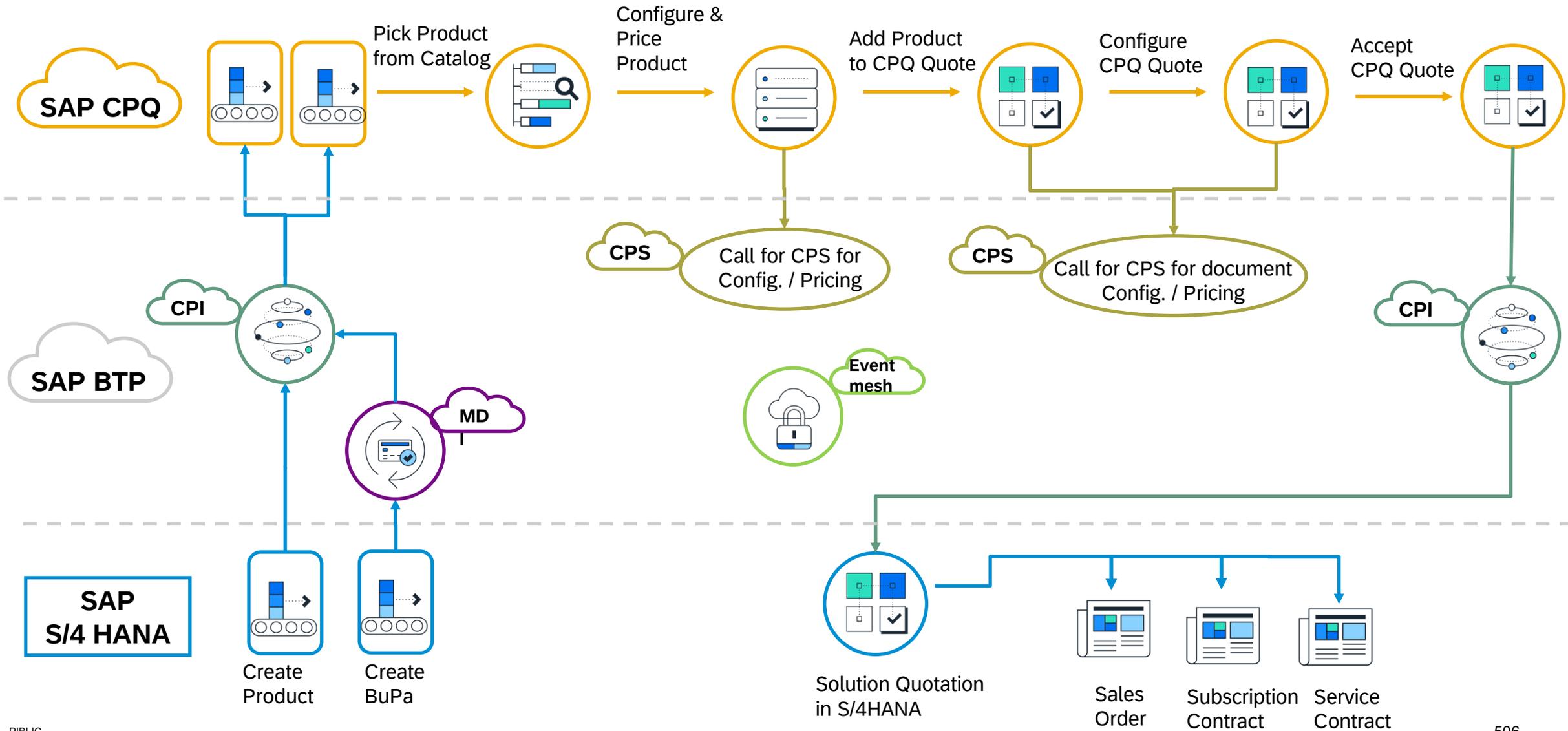
The Trading Contract, is used to handle this ordering process.

- Enables to streamline trading (buy and sell) processes out of one transaction
- Supports the logistics and supply chain processes of trading companies, including Expense Management and Position Management
- It provides specific trading functionality which enables planning, sourcing, selling, delivering, and financial processes.
- SAP GTM makes logistics and supply chain processes transparent. Rules-based automation which can be tailored to the business requirements can reduce the number of process steps.
- Expense handling and profit simulation possible throughout the entire end-to-end process



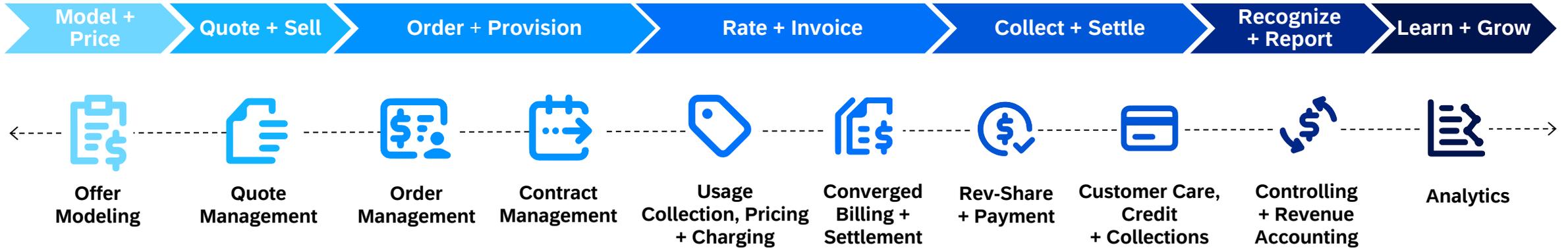


Out-of-the-Box Integration SAP CPQ





Out-of-the-Box Integration SAP Billing and Revenue Innovation Management



Quote-to-Cash modules
 Optional Quote-to-Cash modules
 SAP S/4HANA / BTP core capability

NOTE: Actual product modules will vary based on customer-specific requirements and use cases.



Out-of-the-Box Integration Sales Automation with SAP Sales Cloud

- Native integration between SAP Cloud for Customer and SAP S/4HANA
- Provides a flexible option for customers needing **true hybrid scenarios** and incremental updates
- Empower sales with a mobile SFA cloud solution to manage sales process together with SAP Cloud for Customer
- Provide sales with the transparency of order-to-cash management process (including pricing, credit, and inventory data) with SAP S/4HANA
- [Best practices integration package](#) is available



Customers
Products
Prices
Contacts

Pricing Engine
Credit Check
Inventory

Quote
Sales Order
Delivery, Return
Invoice

Reporting, Margin

SAP Sales Cloud





Out-of-the-Box Integration Integration with SAP Commerce Cloud

- Native integration for SAP Commerce Cloud and SAP S/4HANA, leveraging powerful core sales office functionality with sales front end office
- Take full advantage of the well-established order fulfillment process on SAP S/4HANA and extend sales channels with SAP Commerce Cloud
- Flexible integration options for order management -- Order management for B2B and B2C business scenarios
- [Best practices integration packages](#) available

SAP S/4HANA

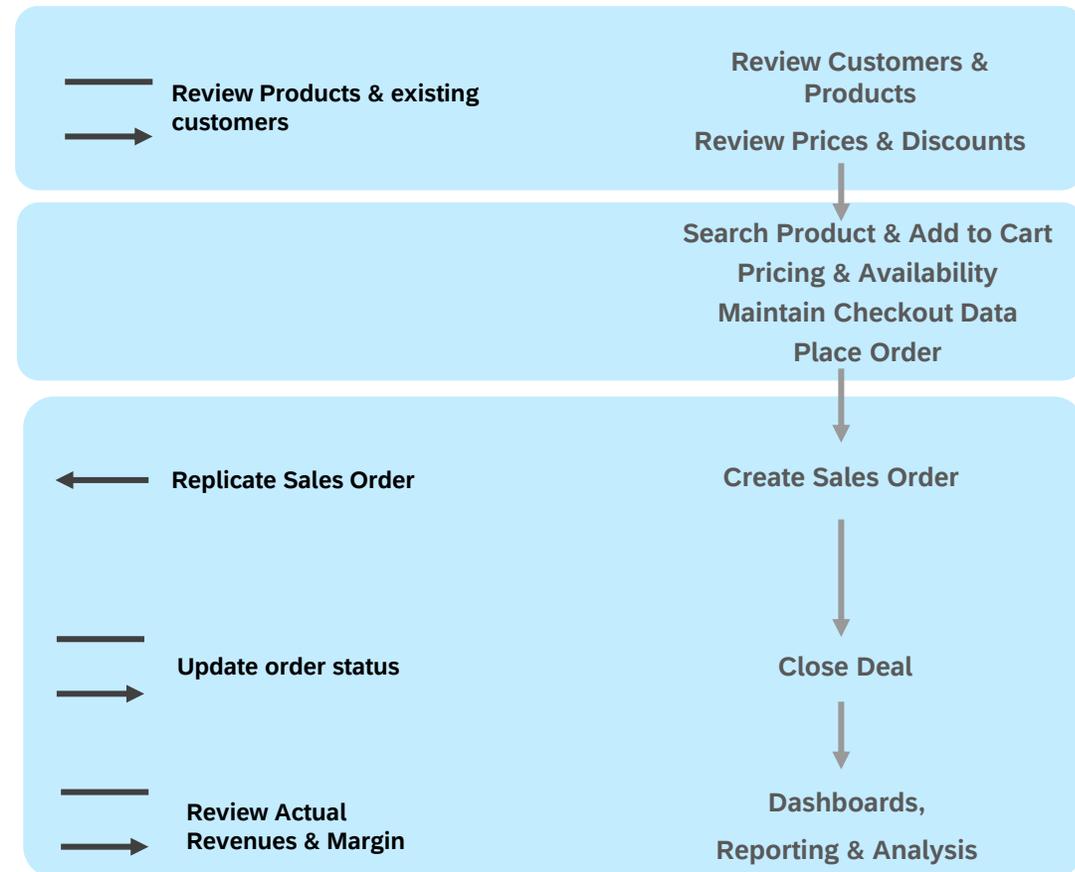
Customers
Products
Prices
Inventory

Sales Order

Delivery
Pick, Pack, Ship
Invoice

Reporting, Margin

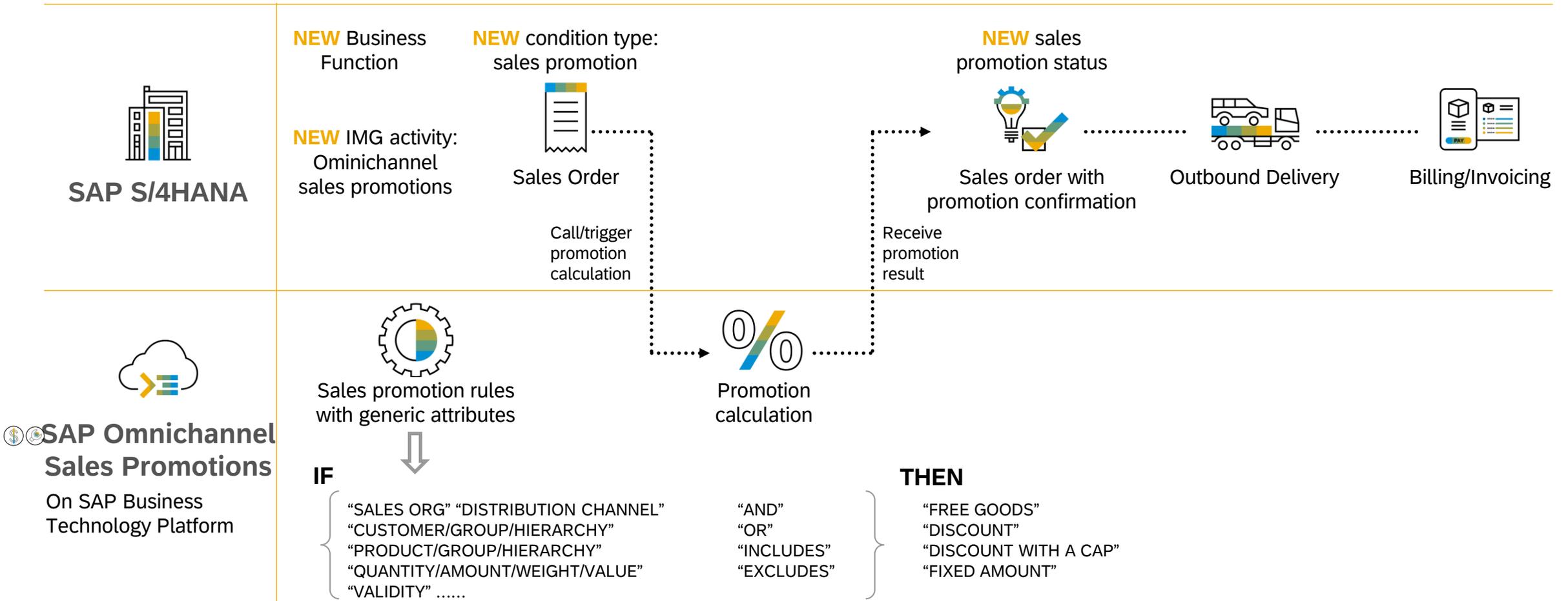
SAP Commerce Cloud





Out-of-the-Box Integration

Sales Promotions (aka Bonus Buy) with SAP Omnichannel Sales Promotions



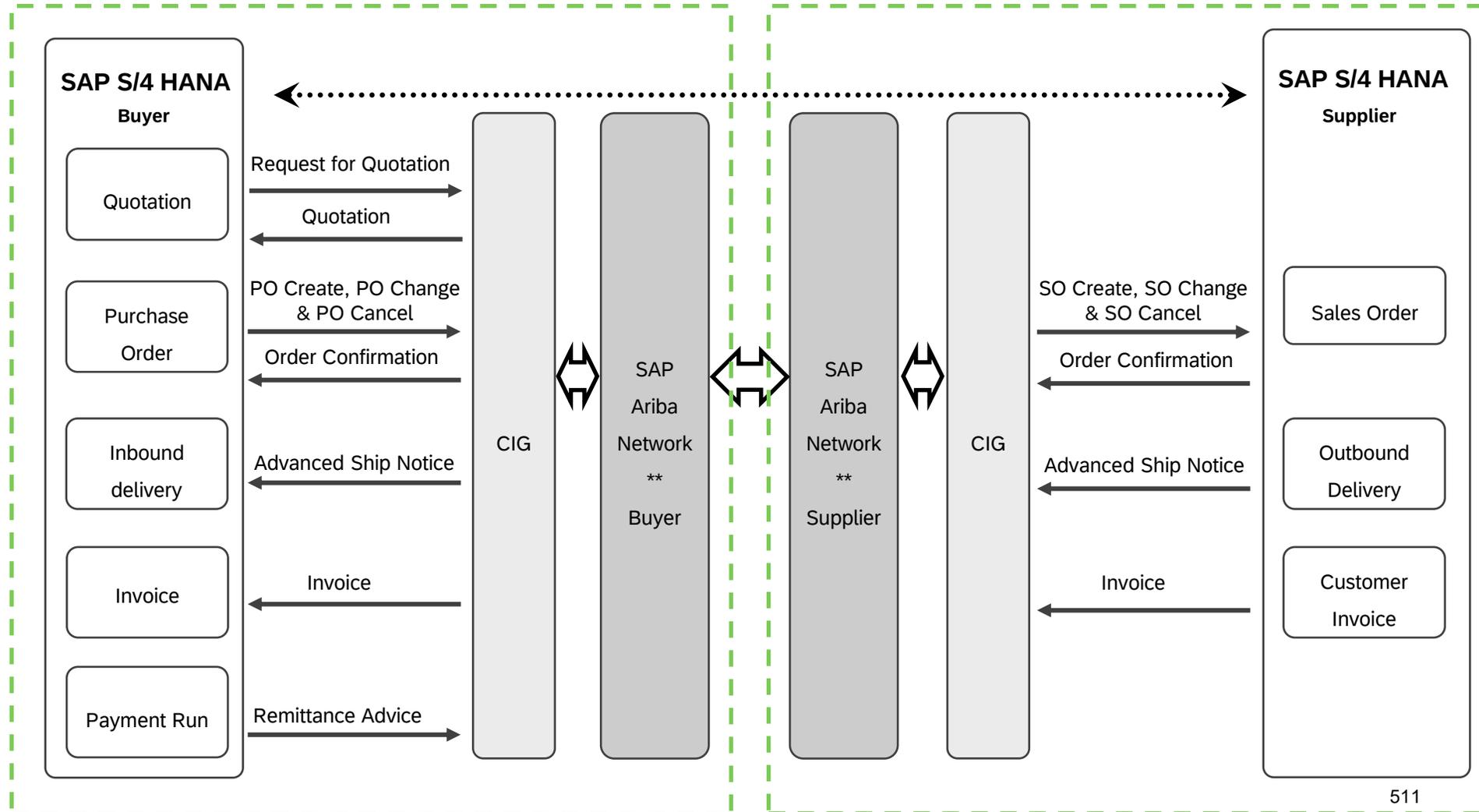


Out-of-the-Box Integration Integration with SAP Business Network

42K (Automation of Source-to-Pay with Ariba Network)

4A1 (Automation of Order-to-Invoice with Ariba Network)

- Exchange your sales data with buyers from Ariba Network automatically using an automated Order-to-Invoice Process
- Supporting integration between SAP S/4HANA and SAP Ariba via SAP managed Ariba Cloud Integration Gateway (CIG)
- B2B SOAP services are available on SAP S/4HANA to integrate with the Ariba Network



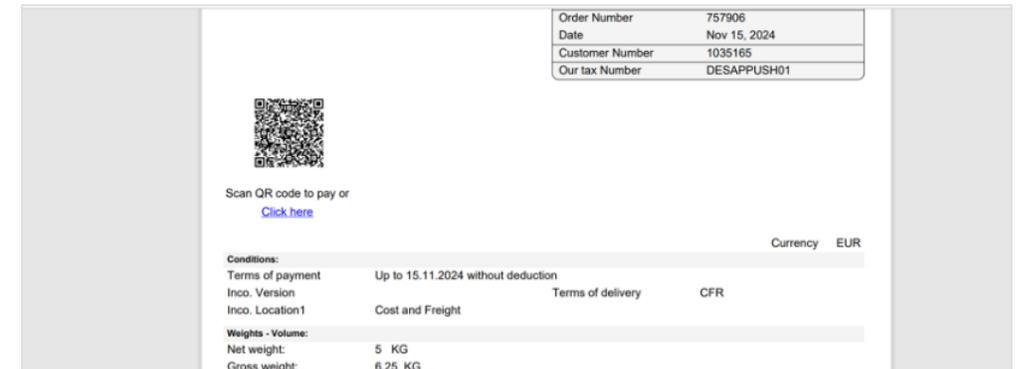
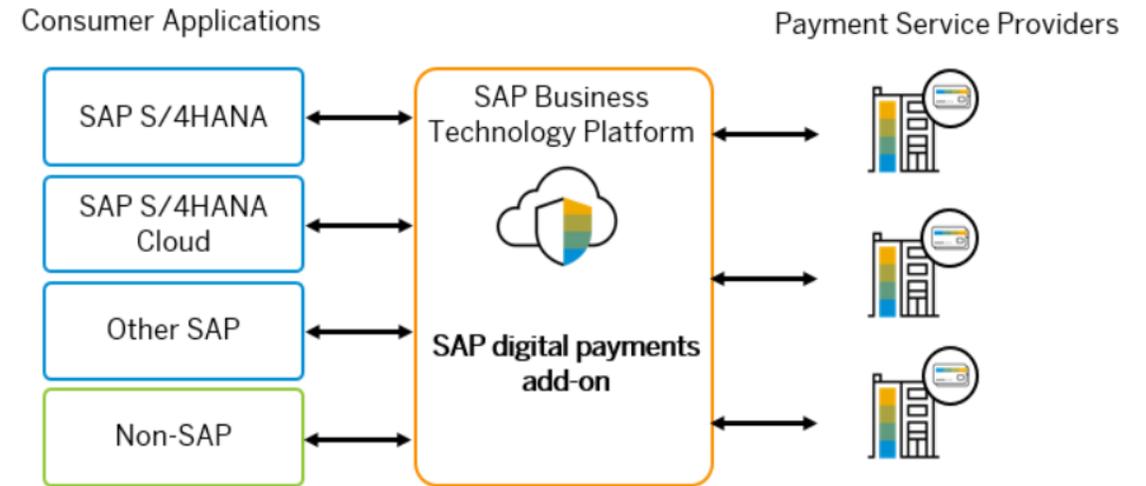


Out-of-the-Box Integration Integration with SAP Digital Payment Add-On

SAP digital payments add-on offers connections to payment service providers (PSPs) to have standardized processing of credit cards. With this solution, SAP provides an alternative to complex customer-specific implementations by an out-of-the-box integration to SAP products/components.

SAP manages the operation, maintenance and support of connectivity centrally, giving companies a flexible choice of PSPs.

- Out of the box integration to multiple Payment Service Providers (PSPs) without implementation effort
- Easy onboarding of new PSPs
- Tokenization approach avoids costs & risks (PCI compliant) - no sensitive credit data stored in business solution!
- Reduce the manual effort of post-processing of bank statements items with open items (automatic reconciliation)
- Support of automated splitting and posting of fees and taxes
- Central operations, maintenance and support - improve predictability of cost of integration and operations
- Ensure compliance with lower audit cost
- With the payment by link customers pay electronically using URLs and QR codes on billing documents. A payment service provider processes these payments. This feature simplifies the payment process and enhances customer convenience by offering multiple digital payment methods.





Compatibility Packs in Sales

CP ID 129: SAP Configure, Price, and Quote for solution sales configuration, up to 20 units

- Alternative option: SAP S/4HANA Cloud, for Solution Sales Configuration, private edition - (material code 8008692)
- [SAP Solution Sales Configuration for SAP S/4HANA 1907](#)

CP ID 458: Sales and Operations Planning

- Alternative option: SAP Integrated Business Planning (IBP)
- Business impact note: [2268064](#)
- Simplification item: [S4TWL - Sales and Operation Planning](#)

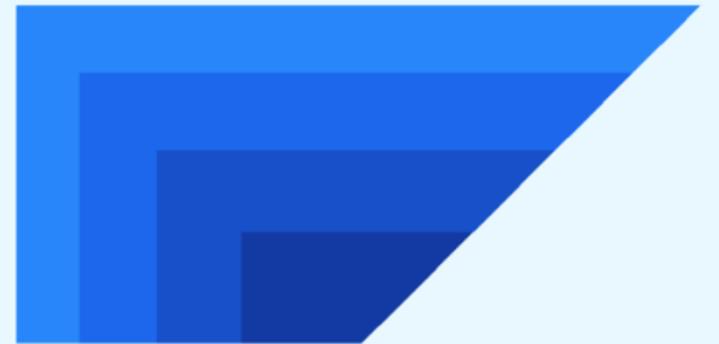
CP ID 479: SD Rebate Processing

- Alternative option: SAP S/4HANA Settlement Management
- Business impact note: [2267377](#)
- Simplification item: [S4TWL - SD Rebate Processing replaced by Settlement Management](#)

CP ID 481: SD Analytics based on Logistics Information System (LO-LIS)

- Alternative option: SAP S/4HANA Sales Monitoring and Analytics
- Business impact note: [2267348](#)
- Simplification item: [S4TWL - Simplification in SD Analytics](#)

People





SAP S/4HANA – Human Capital Management Solution Strategy

As SAP SuccessFactors remains the primary focus of SAP’s HCM innovation, there are no plans for major additional functionalities or re-architectures in S/4HANA. HCM in S/4HANA is intended as a bridge to give customers additional time to move to SAP SuccessFactors. Consistency with the Business Suite is ensured by applying the same data model.

Therefore, no new or updated business processes are developed here. Some Fiori apps will be provided over time, including analytical pages – check out the [Fiori Apps Library](#) and filter for Product Suite SAP S/4HANA and the LoB “Human Resources”.

Investments into intelligent scenarios are entirely focused on SuccessFactors, which is one of the frontrunners for Generative AI – more details here: [Generative AI with SAP](#)

The HCM functionality in S/4HANA is licensed - both in private cloud and on-premise - via engine licenses with an “employee” metric, no longer by core named user licenses. SAP thus paves the way also commercially for the transition to SuccessFactors, where the same commercial model applies.



Compatibility Packs in HCM

- In S/4HANA Cloud, private edition, classic HCM can only be accessed based on the respective license materials. The CP use right for HCM only exists in on-premise.
- Customers using the HCM compatibility pack in on-premise have to upgrade to release 2022 or later and implement HCM for S/4HANA *by the end of 2025*.
- CP IDs 414 – 424:
 - S/4HANA on-premise customers can use classic HCM as compatibility pack until the end of 2025. By then, they must have licensed HCM use via the respective license materials which were released in October 2022. They also need to activate the H4S4_1 business function ([docu](#)).
 - Enterprise Management / the FUE licenses only cover Time Recording and Org Structure Management. All other capabilities are only provided via the HCM licenses, with an “employee” metric.
- Relevant notes:
 - General approach for HCM: <https://me.sap.com/notes/2273108>
 - Detailed notes are accessible via the WayForward excel in <https://me.sap.com/notes/2269324>

Cross





SAP S/4HANA Differentiator – Cross

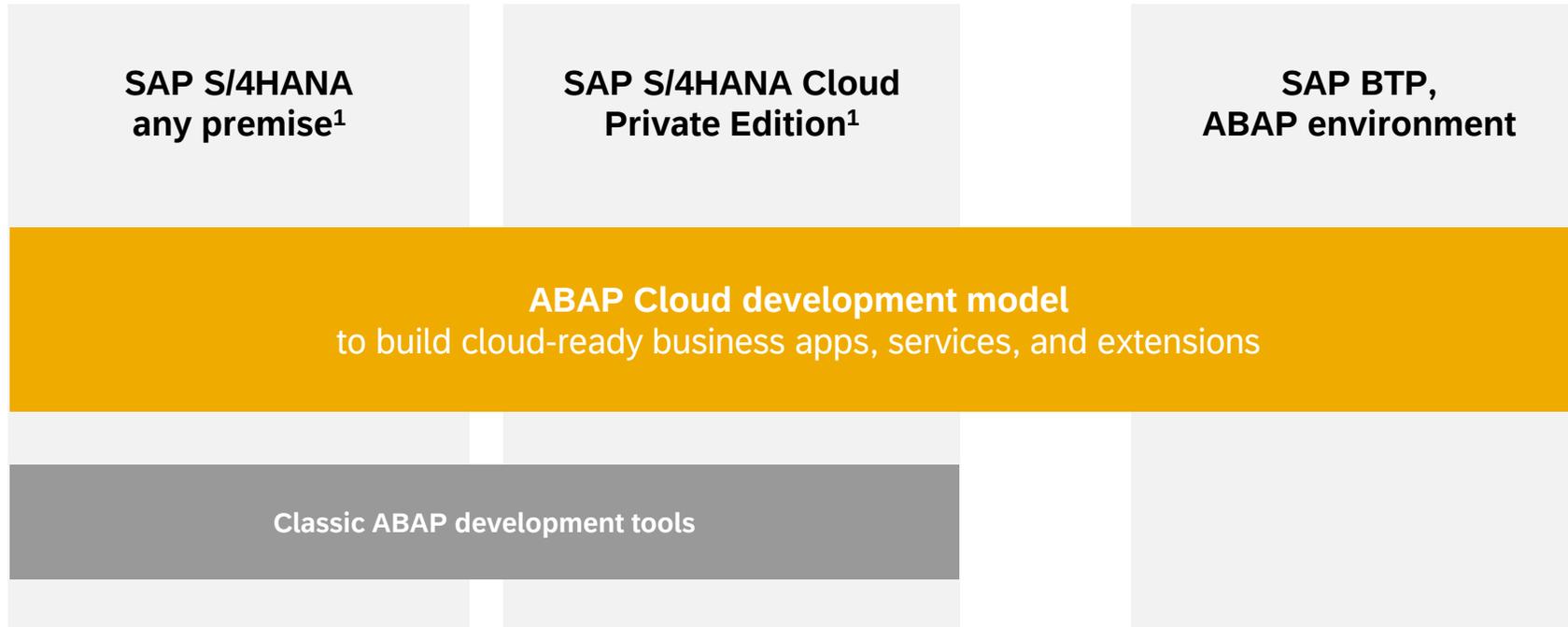
- Extensibility
- Enterprise Search
- Master Data Governance
- Responsibility Management
- Flexible Workflow
- Intelligent Scenario Lifecycle Management
- Integrated Business Communications 



Cross

Extensibility

ABAP Cloud – One development model for SAP S/4HANA and SAP BTP

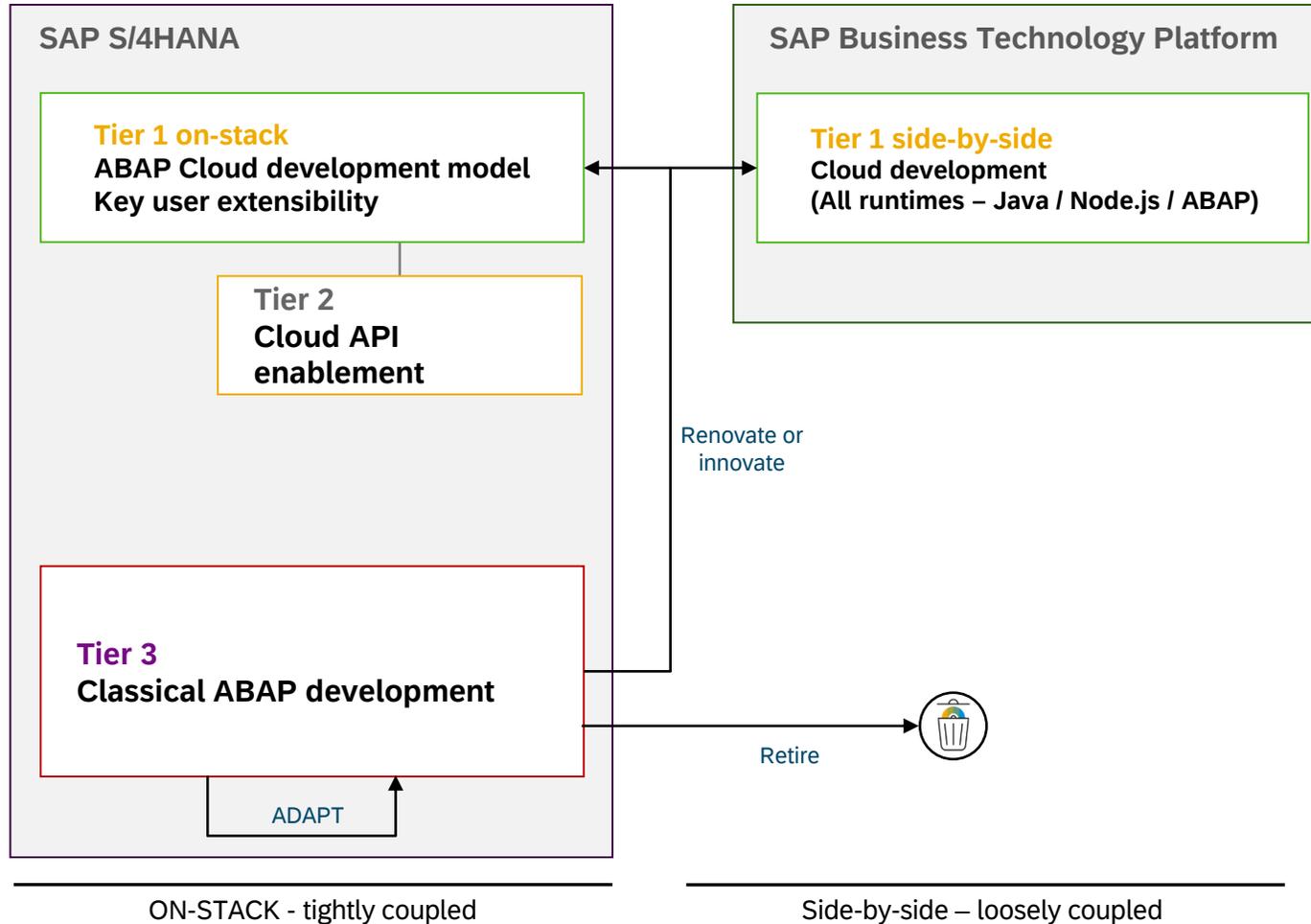


¹ SAP S/4HANA any premise or SAP S/4HANA Cloud Private Edition release ≥ 2022



Extensibility

Three-tier extensibility model for SAP S/4HANA Cloud Private Edition and on-premise



Tier 1 – Cloud extensibility model

Development of cloud-ready and upgrade-stable applications and extensions

Default for new extensions and custom apps

Tier 2 – Cloud API enablement

Extends and enables tier 1 for private cloud and on-premise

Mitigates missing public SAP APIs or extension points:

- Develop custom wrapper objects for not released SAP objects to be used in tier 1
- Retire wrapper once a released SAP API is available

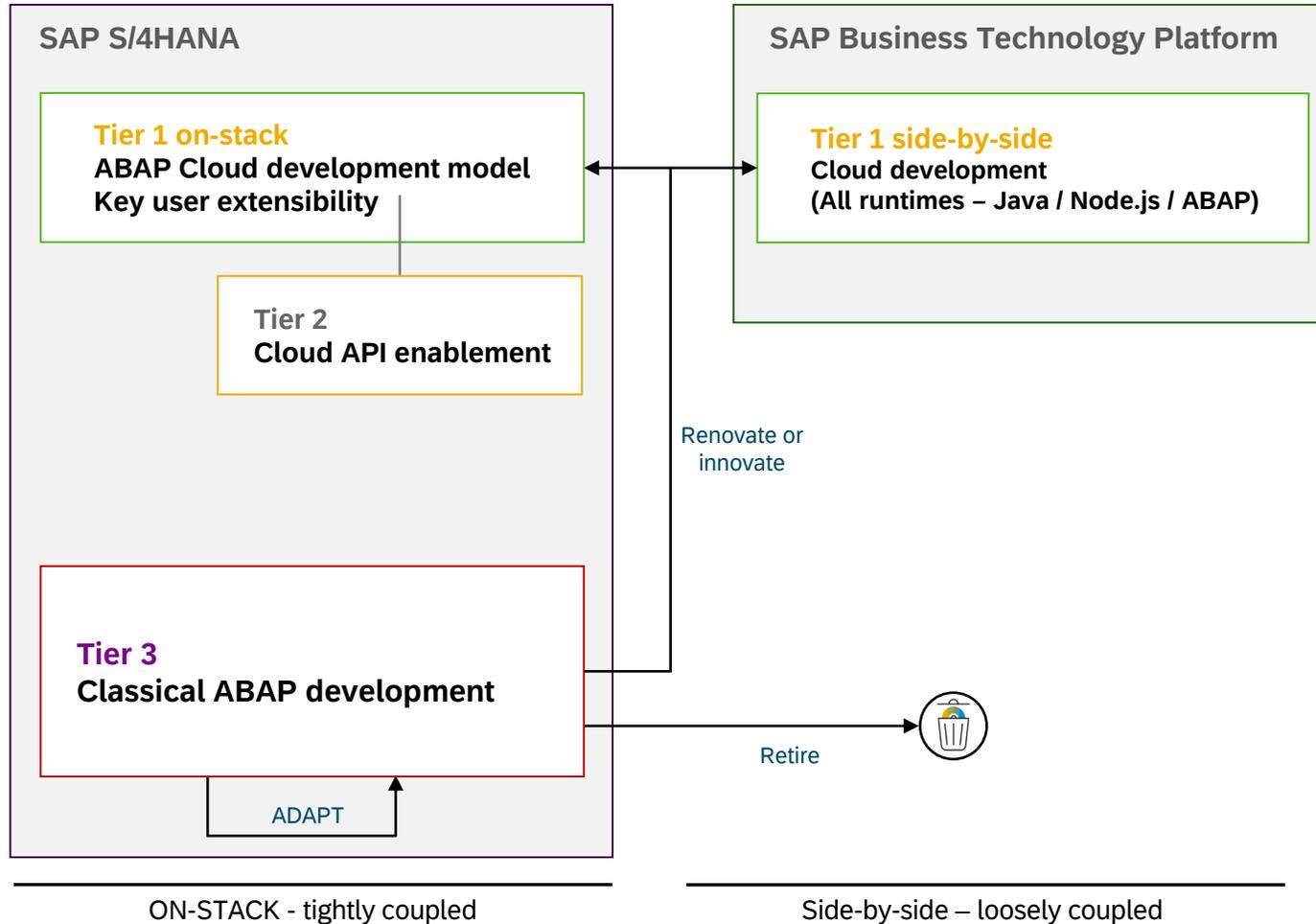
Tier 3 – Classic ABAP extensions

Legacy/existing custom ABAP code or new on-stack extensions code that cannot follow the rules of tier 1 and 2
Guidance to avoid and reduce the content in tier 3



Extensibility

Three-tier extensibility model for SAP S/4HANA Cloud Private Edition and on-premise



Benefits:

- Clean core using tier 1, with clear technical guidance, cloud-ready
- Upgrade stability for tier 1 extensions
- Exploit rich PCE/OP scope, mitigate missing public APIs
- Controlled violations of clean core principles (authorizations, ATC)
- Enablement of stepwise cloud transformation
- Greenfield: Tier 3 empty, only use tier 1 and 2
- Brownfield: Legacy in tier 3, new extensions in tier 1 and 2

[Extend SAP S/4HANA with ABAP based extensions](#)

[Blog](#)

[Custom Extensions in SAP S/4HANA Implementations](#)



Key User Extensibility

SAP S/4HANA key user extensibility allows adapting standard functionalities to user requirements without the need for any external tools. Whether you want to apply small changes, such as hiding standard fields for specific user groups or including some business logic, SAP S/4HANA offers a variety of tools covering diverse extensibility needs. Here's an overview of the things you can do using key user extensibility tools:

- Change and adapt the UIs for SAP Fiori Apps through Key User Flexibility or classic applications using Screen Personas
- Create a new custom user interface
- Create and extend forms and email templates
- Create custom-specific CDS Views
- Enhance the current business process by creating custom business logic
- Create custom fields
- Create custom business objects

SAP S/4HANA embodies key user extensibility tools, which are completely web-based. They are targeted at key users who have a deep knowledge of the product itself, but not necessarily a very deep technical knowledge.

As mentioned above, the tools we provide create lifecycle-stable artifacts. In other words, SAP software updates do not depend on adoptions by customers or partners and are upgrade-proof.



Developer Extensibility

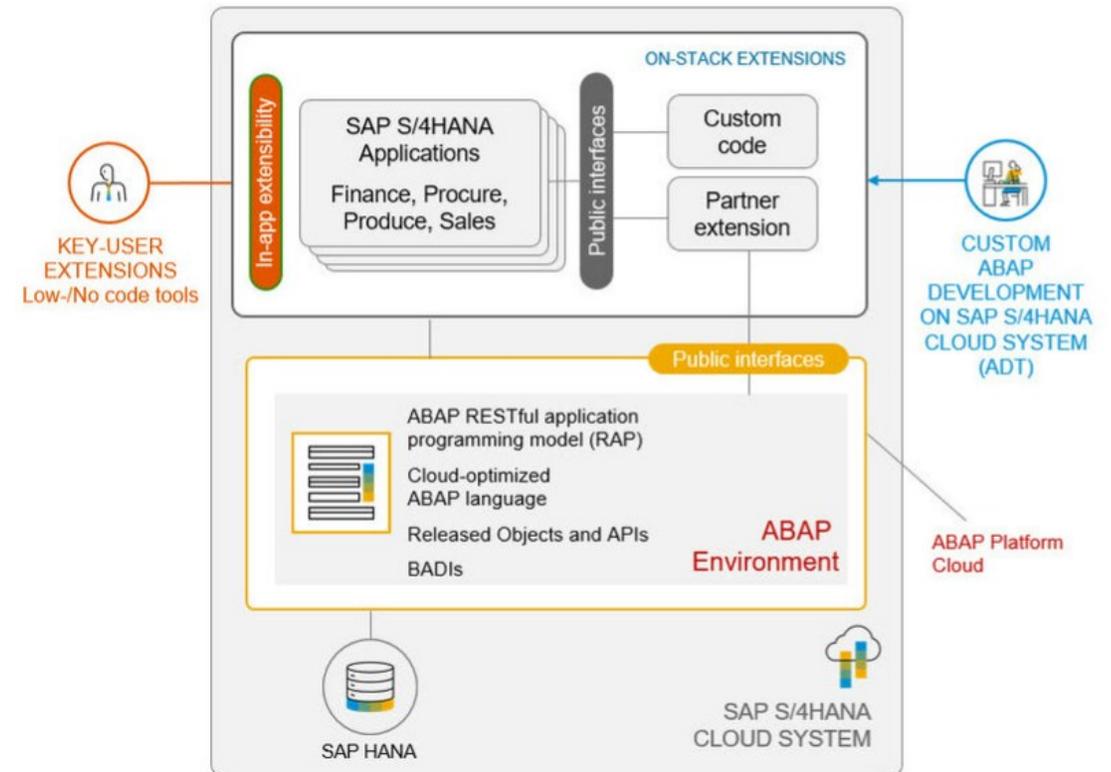
Developer extensibility allows you to create development projects in an SAP S/4HANA system. It gives you the opportunity to develop cloud-ready and upgrade-stable custom ABAP code on SAP S/4HANA, combining the benefits of custom ABAP code, with the required restrictions for cloud-readiness, and the SAP S/4HANA programming model to build SAP Fiori apps.

This includes:

- ABAP RESTful Application Programming model (RAP) to build services and SAP Fiori apps
- Eclipse-based IDE (ABAP Development Tools) with debugger, troubleshooting, and testing tool support
- ABAP software lifecycle support

To ensure cloud-readiness, you have to take into account the following restrictions:

- Cloud-optimized subset of ABAP language
- Usage of released SAP APIs or objects in the custom code
- Usage of predefined extension points to extend SAP objects
- Controlled access to admin, user, authorization, monitoring tools, and services
- No security by default when creating your own tables, in particular, you cannot use ILM (Information Lifecycle Management) and IRF (Information Retrieval Framework)





Side by Side Extensibility

In addition to the SAP S/4HANA key user extensibility, we have the side-by-side extensibility concept in place.

Here, we allow our customers and partners to develop dependent extensions, develop their own custom applications or consume existing apps. The SAP Business Technology Platform is the accepted choice for building an extension for any SAP cloud solution. The goal is to develop a loosely coupled, but seamlessly integrated extension.

SAP S/4HANA Side-By-Side Extensibility Extension Use Cases

You can extend existing processes or invent completely new processes while easily combining SAP S/4HANA data with data from other systems. Here are a few typical extension archetypes that our customers and partners are implementing (this list is not exhaustive):

- Proxy applications
- Convenience applications
- Substitute applications
- Pre-processing applications
- Postprocessing applications
- Analytical applications

[Custom Extensions in SAP S/4HANA Implementations](#)



Enterprise Search

SAP HANA enterprise search enables a full-text search, navigation, and access to structured and unstructured information across multiple systems.

- Full-text search for business objects and documents
- Results ranking along business criteria, e.g. user's organizational context
- Access to information across multiple systems; navigation along object relations
- Direct navigation into source systems/transactions
- Integrated support for SAP authorization concepts
- Infrastructure for modeling, administration, and monitoring of search models
- Provides search results based on similar search strings
- Suggestion list is shown when user enters minimum number of characters (Type ahead)

The screenshot displays the SAP Enterprise Search interface. At the top, there is a search bar with the text 'API Organization' and a search icon. Below the search bar, the interface is divided into two main sections: 'Search In' and 'Results (1,204)'. The 'Search In' section on the left lists various search categories and their corresponding result counts, such as 'Billing Documents duplicate QKV910...' with 1 result and 'Sales Orders duplicate QKV910~S...' with 611 results. The 'Results (1,204)' section on the right displays a list of search results. Each result entry includes a title, a link to the source system, and a table of key-value pairs. For example, the first result is 'BP_ADOP API Organization | Business Partner Core', with details like 'Title: Company', 'External Number: -', 'Search term 1: BP ADOPTION', and 'Business Partner: BP_ADOP'. The interface also includes a navigation bar at the top with the SAP logo and a 'Search' dropdown menu.



Master Data Governance

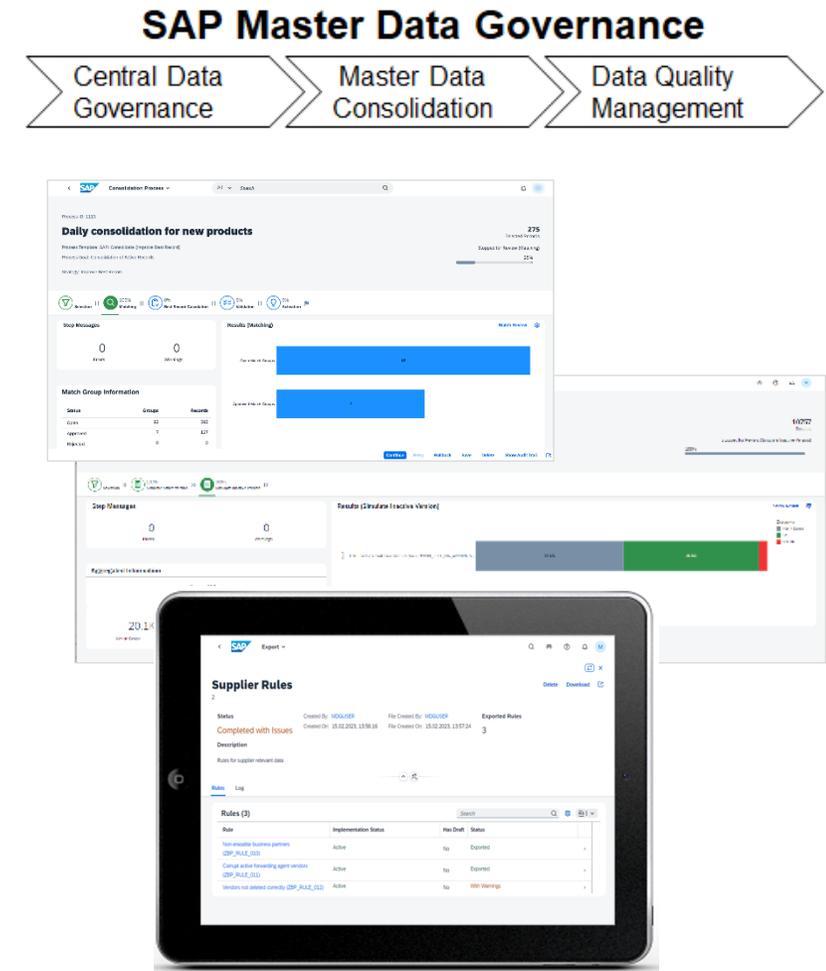
SAP Master Data Governance on SAP S/4HANA: the efficient way towards consistent and high-quality master data – the foundation of your Digital Business

SAP MDG on SAP S/4HANA provides preconfigured, domain-specific master data governance as well as a flexible framework for custom data models and processes. This allows to de-centrally manage and consolidate, or centrally manage and distribute all master data for your company’s complete system landscape.

The clean master data from SAP MDG on SAP S/4HANA enables you to accelerate your enterprise software journey, and to enable new digital business models.

For example...

- SAP MDG on SAP S/4HANA supports your system landscape simplification and move to the cloud with synchronized master data across on premise and on-demand applications
- Leverage SAP MDG on SAP S/4HANA’s harmonized master data and SAP’s platform capabilities to connect transactional and IoT or other big data, and derive real business value
- Mobilize your business with simplified master data access and efficient scenarios for request, approval, or to monitor KPIs and trends
- MDG can support your SAP S/4HANA move: get experience with a controlled subset, ensure master data quality before the implementation and maintain quality after go live





Master Data Governance

Generative AI for assisted changes in custom object/summary of mass changes in central governance (classic mode)

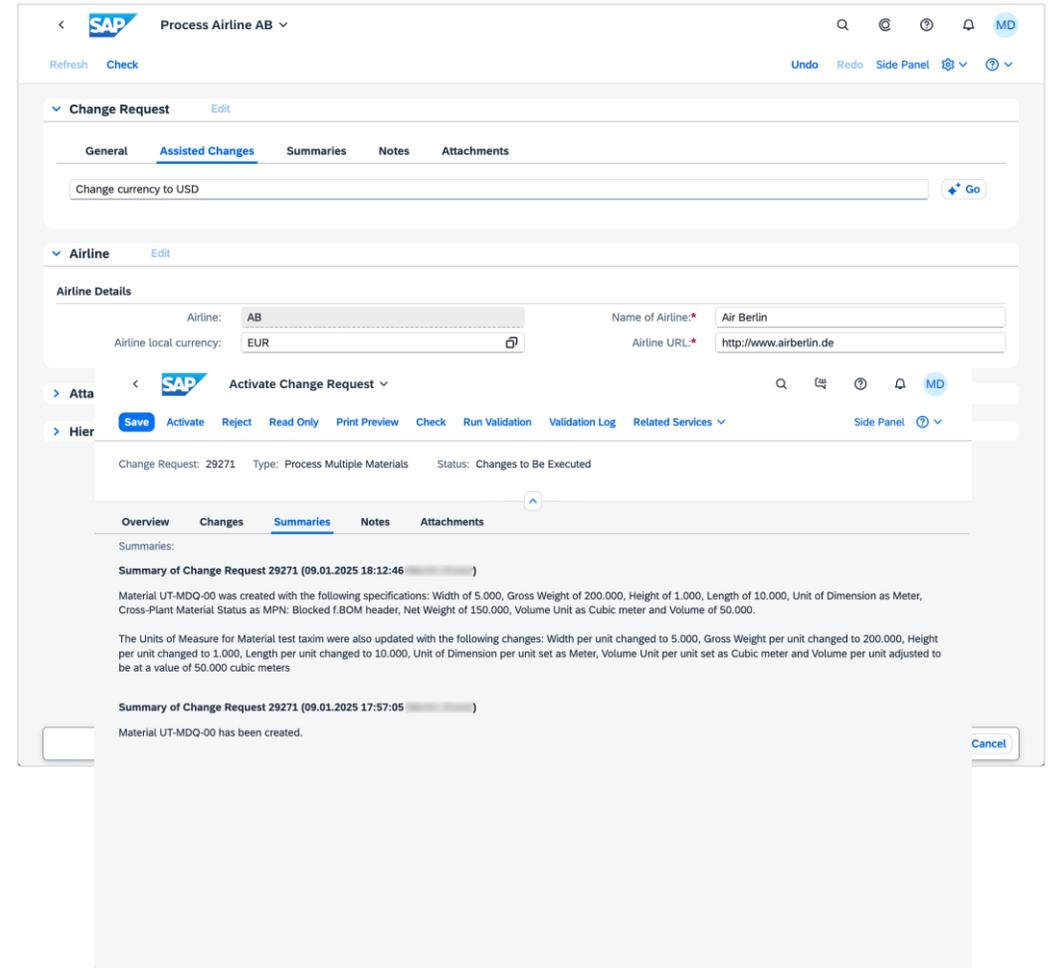
Summarize Changes:

Get an overview of change requests with multiple objects (mass changes) in natural language (using a Large Language Model) to:

- verify the completeness and/or correctness of master data changes
- get a brief overview of the changes comprised in an MDG change request
- prevent pointless revisions based on incomplete changes
- have a non-technical summary of changes (in contrast to change documents)
- facilitate approver's final checks

Assisted Change:

In the governance of custom objects with reuse entities, change master data attributes with as little effort and steps as possible so that applying changes to a master data object is time efficient. A user makes prompts in natural language to make field changes.





Master Data Governance Extension of Validations with SAP S/4HANA Finance

As a master data specialist, I want to validate changes to existing and distributed master data before change request activation. By considering situations in target systems in advance, while processing change requests in MDG hub, I would know earlier if certain changes are no longer allowed rather than needing to wait until receiving confirmation messages from the target systems. Solution: By introducing remote function calls to target systems with checks for the most business-critical attributes, proposed changes are validated before change request activation.

Target Systems for Remote Validation			
	Entity	Logical System	Val.
<input type="checkbox"/>	G/L Account	✓ QM7CLNT405	<input checked="" type="checkbox"/>
<input type="checkbox"/>	G/L Account	✓ QM7CLNT410	<input checked="" type="checkbox"/>
<input type="checkbox"/>	Cost Center	✓ QM7CLNT405	<input checked="" type="checkbox"/>
<input type="checkbox"/>	Profit Center	✓ QM7CLNT410	<input checked="" type="checkbox"/>

All ✖ 2 ✖

- ✖ G/L Account (Company Code) INT/113100/0001 You cannot change the open item management at thispoint; see long text >
- ✖ G/L Account (Company Code) INT/113100/0001 Changing the currency not possible; account has abalance; see long text >

✖ G/L Account (Company Code) INT/113100/0001 You cannot change the open item management at thispoint; see long text

Message No. USMDZ3003

Diagnosis

This message was returned by an S/4 HANA system which was called during the validation.

Original system & message number are: QM7_410 & FH087

Procedure

You can find more background information in the long text of the original message.



Responsibility Management

A functionality which helps determine the **responsible contacts within the organization** for various contexts in order to address tasks and activities, along the working structure and, dimensions of the respective lines of business.

In responsibility management, business process experts create and maintain teams consisting of members with defined functions. Business Workflows as well as Situation Handling are integrated with responsibility management and can consume the defined responsibilities. In the case of business workflows you can allocate responsibility definitions to each workflow step in order to define who is in charge of the related action. In Situation Handling, you may use responsibility definition to determine, who receives the respective notification.

Responsibility Determination by Teams:

The image displays three screenshots of the SAP Responsibility Management interface, each with a callout circle highlighting a specific feature:

- Left Screenshot:** Shows a list of responsibility definitions. A callout circle highlights the search bar with the text "Procurement" and a "Team Members:" field. Another callout circle highlights a "Replace Team Member" button and a "Changed By" field.
- Middle Screenshot:** Shows a "Team Hierarchies" view with a tree structure. A callout circle highlights the "Manage Sub Teams" button.
- Right Screenshot:** Shows a "Team Member Authorization Status" table. A callout circle highlights the "Authorized" status for two team members.



Flexible Workflow

My Inbox

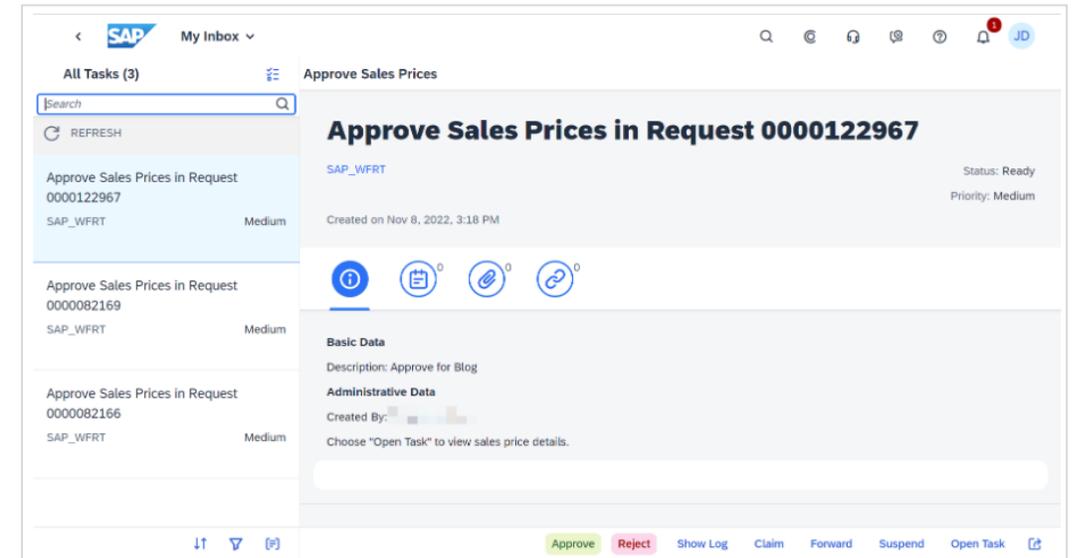
- All workitems for all processes with process-dependent decision (e.g. Release [green] and Reject [red])
- Visible to all possible agents, but only one can process
- Workitem will disappear when obsolete or processed
- Forward: send workitem to a colleague
- Claim or Suspend: reserving a workitem for later
- Log: show processing history

Manage Workflow

- Workflow Steps (e.g. approval, rework)
- Responsibilities (e.g. Team function, manager)
- Conditions (e.g. Amount > x)
- Specify exception handling

Manage Teams and Responsibilities

- One Team for each range of responsibility – depending on the process type (e.g. Procurement)
- Multiple assignment of business users to various teams
- Various functions per team member

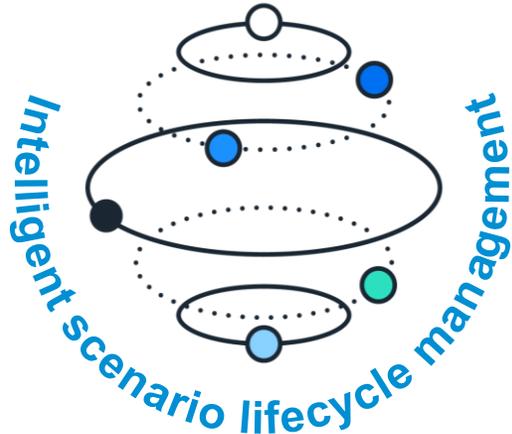


[Link to documentation](#)



Intelligent Scenario Lifecycle Management

Capabilities to support end users in managing their intelligent scenarios



Create custom predictive scenarios

Harmonized framework in basis SAP software layer

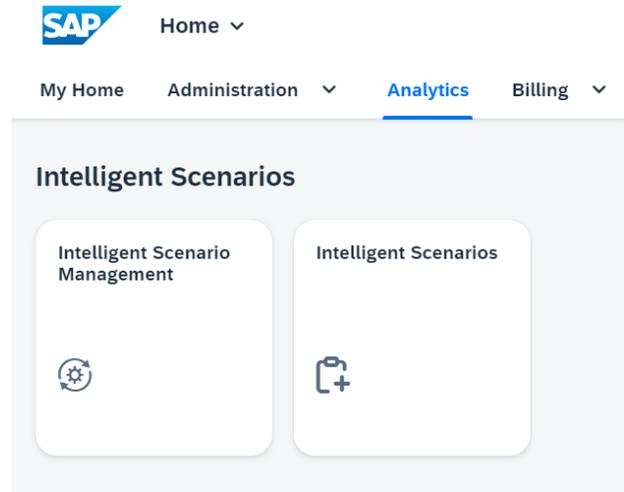
Successor of SAP Predictive Analytics integrator

Standard to train, deploy, activate even for remote ML providers

Support for all phases (readiness, first usage, lifecycle operations, deletion, decommission)

Lifecycle management for ML services provisioned as a service

Common consumption model for application integration in SAP S/4HANA Cloud



Intelligent Scenario Management

Package	Intelligent Scenario	Intelligent Scenario Description	Scenario Type	Created At
SCWB_KRK_100	AICORE_TEST_1	AICORE	SAP AI Core	22.03.2022, 08:23:01
	AKS_ISLM_RELTEST_00	Release testing	Regression	23.03.2022, 11:11:45
	AKS_ISLM_RELTEST_01	release testing	Classification	23.03.2022, 11:20:21
	AKS_ISLM_SYSLVR_01	Without system flavour	Regression	01.09.2021, 12:28:51
	AKS_ISLM_SYSLVR_03		Classification	01.09.2021, 13:09:47

[Community Call](#)

[Blog](#)



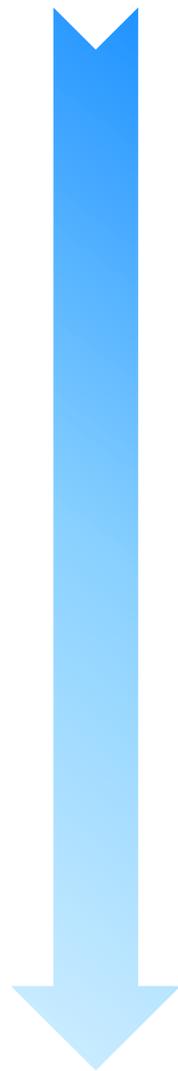
Integrated Business Communications

Design and deliver personalized, traceable, scalable communications with your business contacts directly within and out of SAP Cloud ERP Private

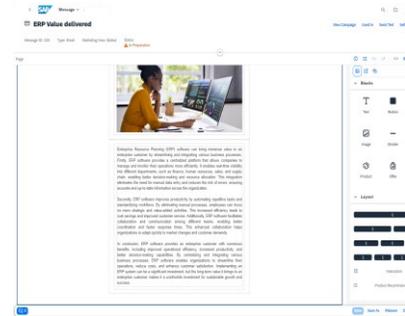
Ensure consistency and timing with the set up of **automated, multi-step communication** flows that run regularly or are event-based

Ad-hoc communication* initiated directly from within the current process step, considering the business context **without leaving the system.**

Enhance productivity, transparency and customer satisfaction with personalized communication for business partners for **all areas and industry agnostic**



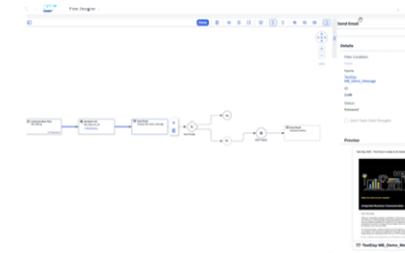
Create recipient lists



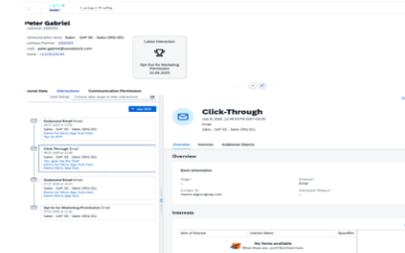
Editor for reusable templates in corporate styling



Overview Video



Flexible communication flow with follow ups



Communication history and reactions

Additional information

[SAP S/4HANA Community](#)

[Roadmap SAP S/4HANA Cloud Private Edition](#)

[Roadmap SAP S/4HANA Cloud Private Edition only innovations](#)

[RISE on sap.com](#)

[SAP Cloud ERP Private on sap.com](#)

[Learning Site SAP S/4HANA Cloud Private Edition](#)

[Videos for SAP Cloud ERP Private](#)

[Enterprise Resource Planning Blogs by SAP](#)

[SAP S/4HANA Cloud Private Edition Value Map - SAP Enterprise Support](#)

Thank you.

Contact information:

