SAP S/4HANA

Scale New Heights with an Intelligent Digital Core: The 1709 Release of SAP S/4HANA®

Run Simple

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Organizations in every industry and region recognize the need for a digital core to meet today's – and tomorrow's – business needs. When insight, flexibility, and responsiveness are critical to success, companies cannot rely on yesterday's technology. The latest release of SAP S/4HANA® delivers **new intelligence and innovations** to help companies run live in an ever-more-dynamic and fast-paced digital world.
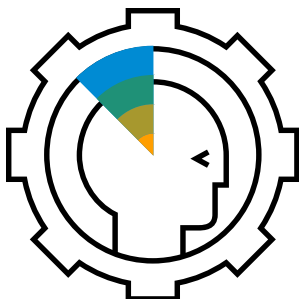
SAP S/4HANA 1709 integrates new intelligent applications that bring **SAP Leonardo capabilities for machine learning** and predictive computing directly into the digital core.

Intelligent ERP for a
Flexible Enterprise

SAP S/4HANA 1709 empowers every corner of your organization to deliver business results. SAP S/4HANA is the foundation for businesses to deploy machine learning and Internet of Things (IoT) scenarios based on SAP Leonardo capabilities, unifying transactional and analytical workloads in real time and helping you stay ahead of the competition.

NEW APPLICATIONS POWERED BY SAP LEONARDO
SAP S/4HANA 1709 integrates new intelligent applications that bring SAP Leonardo capabilities for machine learning and predictive computing directly into the digital core, providing real-time insights and business context while simultaneously freeing resources from repetitive tasks. Examples include the following:

- **SAP Cash Application** software learns matching criteria from your historical financial clearing data to automatically match invoices with incoming payments, allowing for greater scaling of shared service centers or redeployment of finance professionals to more strategic activities.
- **SAP Fiori® apps** for use in contract consumption predict contract expiration or goods consumption ahead of time, supporting more effective supplier negotiations and relationships.
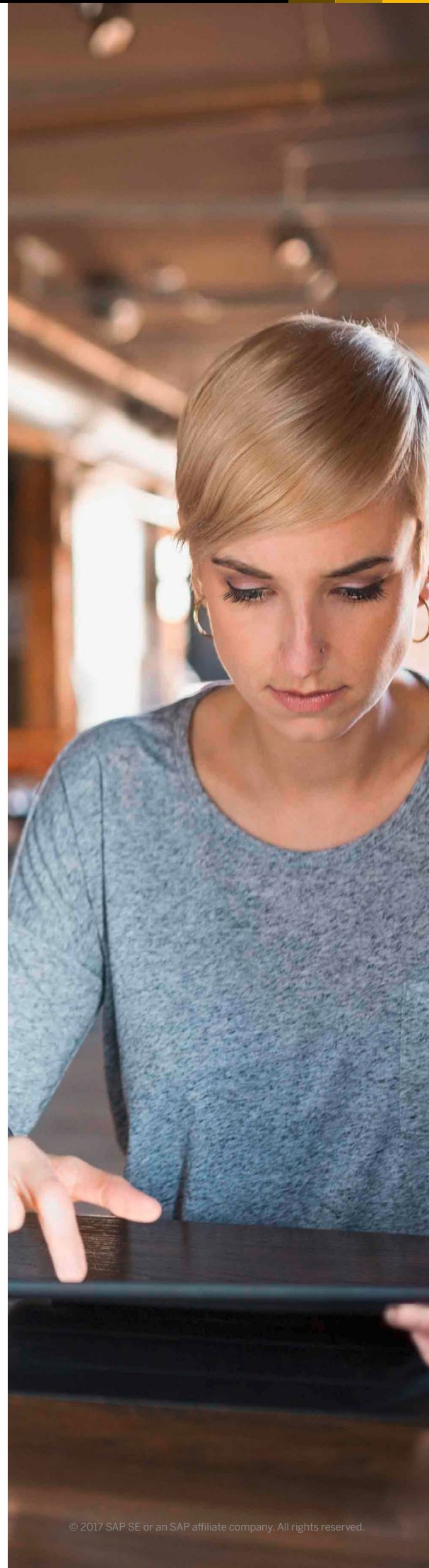
Industries

SAP has long recognized the individual needs of specific industries. With the 1709 release of SAP S/4HANA, we continue to demonstrate our commitment to industry-focused innovation.

Existing customers with the SAP ERP application, especially those in the consumer products industry that use the SAP Catch Weight Management application, can now convert to SAP S/4HANA to take full advantage of the next-generation ERP suite.

With 1709, we are releasing a version of SAP S/4HANA tailored for organizations in the defense and security industries, allowing them to deploy a digital core and connect every facet of their enterprise to run live with immediate intelligence.

Companies in the mining and mill products industries can now take advantage of textile manufacturing process integration with retail, as well as colored block planning and combined order integration and scheduling embedded within production planning and detailed scheduling functionality.

Retail businesses and those with retail activities can use SAP S/4HANA for fashion and vertical business, a new solution designed to address the specific needs of wholesale fashion operations with a multichannel, vertically integrated solution covering and harmonizing wholesale and retail processes.

Lines of **Business**

In addition to the new features described above, SAP S/4HANA also delivers a broad array of innovations specific to lines of business.

FINANCE

To achieve faster entity close while meeting regulatory requirements, the SAP Financial Closing cockpit is now a core part of SAP S/4HANA 1709. Business users get unparalleled transparency and insights throughout the closing cycle while improving their productivity with automated closing tasks and an enhanced user experience. (See Figure 1.)

Figure 1: SAP® Financial Closing Cockpit
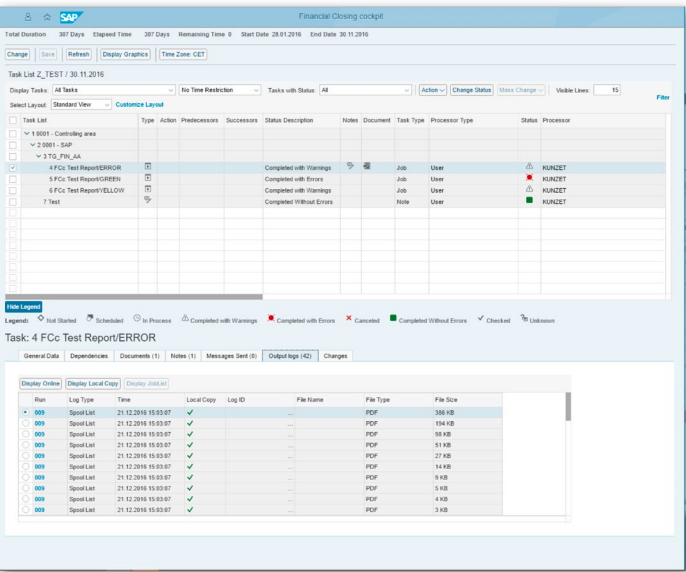
Better connect your digital core to the edge of your enterprise with improved integration of processes between finance operations and your business network applications, including:
• Invoice and discount management with sell-side Ariba® Network
• Supply chain finance with the SAP Ariba Payables solution
• Cost center with SAP SuccessFactors® solutions
• Payment advice with SAP Fieldglass® solutions

Other notable finance innovations in SAP S/4HANA 1709 include:
• Central process execution for accounts payable and accounts receivable in central finance
• New functionality for treasury and cash management, such as improved foreign currency hedge management and improved bank relationship management
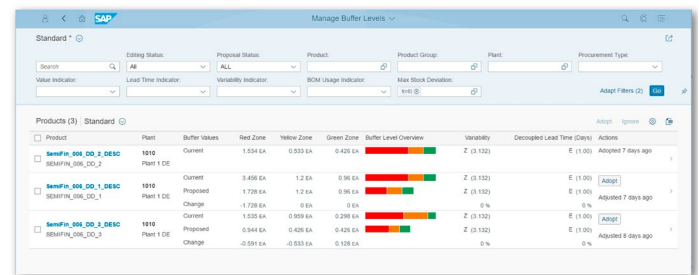• Real-time consolidation capability with the elimination of intercompany transactions

EXTENDED SUPPLY CHAIN

The 1610 release of SAP S/4HANA brought advanced supply chain and manufacturing functionality such as production planning and detailed scheduling, advanced available to promise, and extended warehouse management directly into core ERP. This eliminated functional boundaries and allowed businesses to orchestrate end-to-end supply chain and manufacturing processes to better respond to customers' demand for personalized products. SAP S/4HANA 1709 continues the supply chain conversion path of the prior release by integrating the SAP Transportation Management application into the core, delivering the industry's first truly converged supply chain and manufacturing ERP solution from planning and forecasting all the way to downstream production, execution, and transportation.

In addition, logistics professionals can now take advantage of a new transportation cockpit as well as load consolidation, planning and optimization, automated carrier selection, and more. This reduces IT landscape complexity while simultaneously providing best-of-breed transportation tools to make your operations more efficient and effective. We have also extended embedded analytics capabilities to cover transportation management.

SAP S/4HANA 1709 also allows you to leverage demand-driven material requirements planning in your supply chain and manufacturing environment. Now you can provide real-time prioritization of supply orders, dampen variability with strategic buffering, and shorten lead times. (See Figure 2.) This allows you to reduce cost with lower overall stock while ensuring high customer service levels. This new material requirements planning concept provides full demand transparency, decision support, instant insight, and immediate resolution based on lead time and consumption analytics.


Figure 2: Demand-Driven Replenishment Buffer Watch List

Here are other notable supply chain and manu-facturing innovations in SAP S/4HANA 1709:

- **In warehouse management:** integration of quality management processes and manage-ment for unplanned returns
- **In supplier relationship management:** a new centralized purchase hub for consolidated purchase requisitions
- **In manufacturing engineering:** conversion of an engineering bill of materials (BOM) into a manufacturing BOM, 3D visual support for BOM items, and animated work instructions (see Figure 3)
- **In manufacturing for complex assembly:** enhanced comprehensive planning environment, change impact analysis, and system-based shop-floor monitoring with automatic issue detection
- **In extended production operations:** enhanced monitor production orders and operations, root cause analysis and decision support for shop-floor operation issues, management of work queues and adjustments to existing production orders, and tracking and tracing of individual parts

Figure 3: SAP® Engineering Control Center Integration Tool
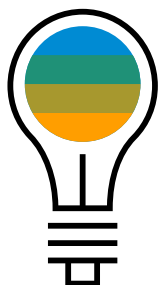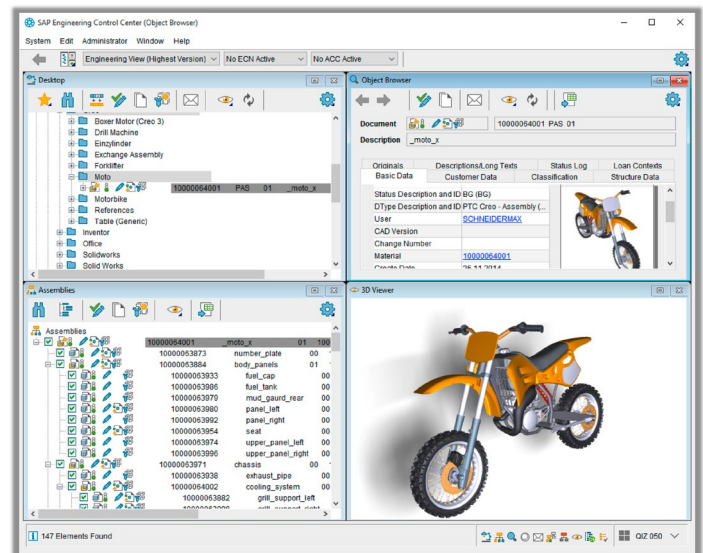

The SAP Financial Closing cockpit is now a core part of SAP S/4HANA 1709, so business users get unparalleled transparency and insights throughout the closing cycle.

SALES AND MARKETING

Beginning with support package stack 01 (SPS 01), we plan to have functionality in SAP S/4HANA for customer management, creating the technical foundation to harmonize billing, pricing, service, and other customer-driven processes for companies with distinct on-premise or private-cloud strategies.

New SAP Fiori apps improve sales order processing, claims, returns, and refund management; sales master data management; billing and invoicing; and monitoring and analytics. Specific highlights include the My Sales Overview app for internal sales representatives, the ability to easily identify and list incomplete sales documents, and the convergence of external billing data, sales orders, sales contracts, debit memo requests, and outbound deliveries into one invoice. (See Figure 4.)

Figure 4: Analyze Confirmations of Sales Orders
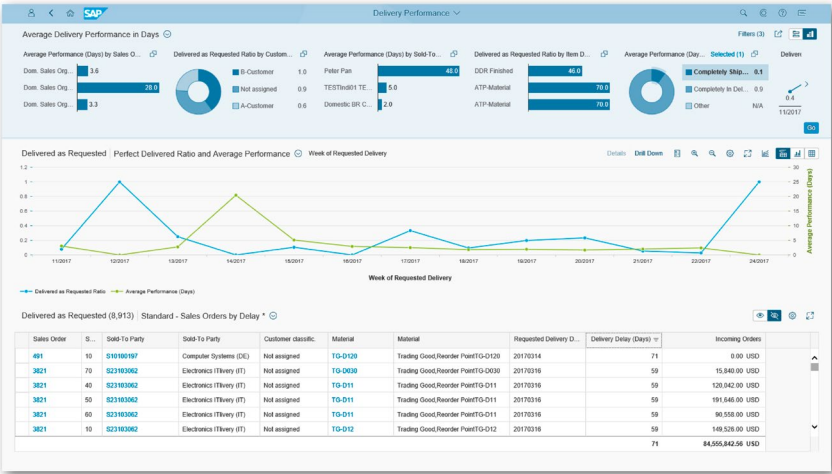
Cross-Topics

To make it easier for customers to move to SAP S/4HANA, the migration cockpit has been updated. You can now directly migrate data from SAP source systems to SAP S/4HANA via remote function call (RFC). This means you no longer have to extract data files from SAP Business Suite software.

Companies in China can use functionality for new lifecycle management of incoming VAT invoices and fulfill the legal requirements of golden audit reporting (GB/T 24589, published by China National Audit Office). Companies in Russia can fulfill the legal requirements of the invoice journal for legal reporting to tax authorities.

LEARN MORE
The latest release of SAP S/4HANA delivers machine learning, predictive analytics, and innovations across lines of business, making it easier than ever for your enterprise to run live. For more information, contact your SAP representative or visit **www.sap.com/s4hana**.

SAP S/4HANA 1709 allows you to leverage demand-driven material requirements planning in your supply chain and manufacturing environment.

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