

Objectives

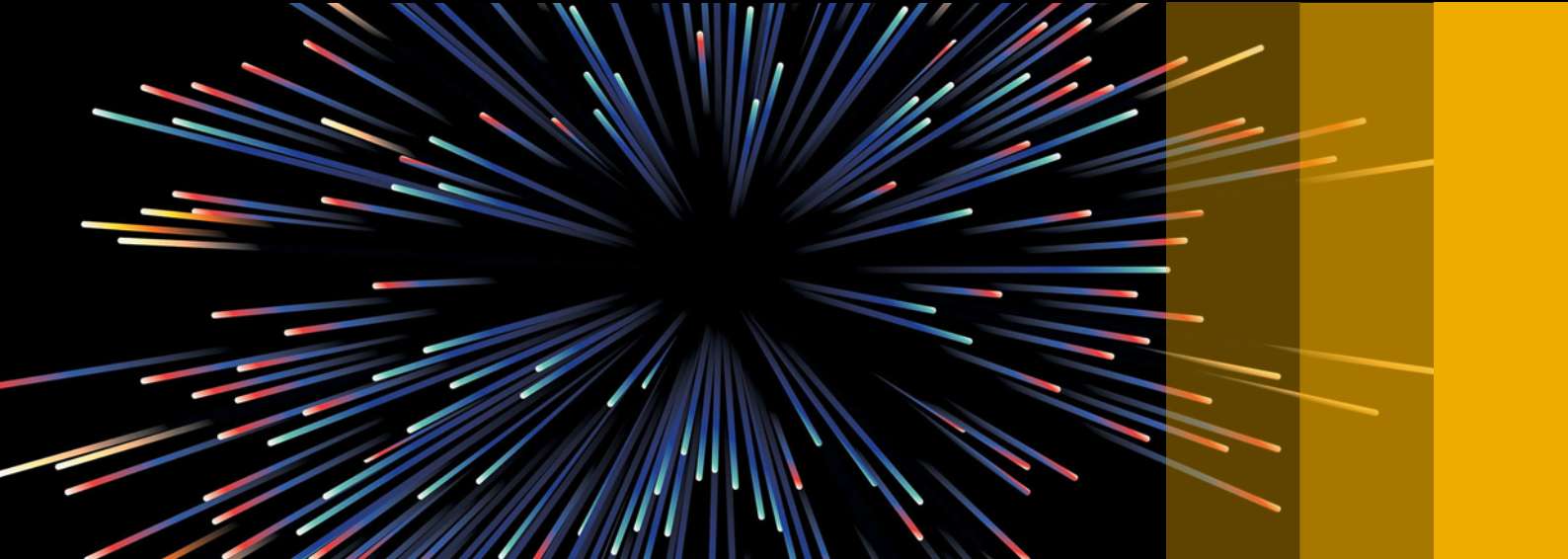
Solutions

Benefits

Quick Facts

SAP Solution Brief
S/4HANA and Leonardo

Automate core processes with intelligent applications from **SAP S/4HANA** and **SAP Leonardo**



How can you capture the power of today's breakthrough technologies?

Smart digital enterprises know that in today's world, success depends on the ability to adapt to a changing business environment. And that means seizing the endless opportunities delivered by breakthrough technologies like machine learning, predictive analytics, blockchain, cloud services, and Internet of Things (IoT) to innovate and reimagine the way your business works.

SAP is making it easier than ever to seamlessly integrate these services into your core processes. Many organizations already use SAP S/4HANA for intelligent enterprise resource planning (ERP). Now, with integration of intelligent services from SAP Leonardo, you can unlock a systematic approach to digital innovation.

Like nerves in your body that send and receive information from your brain, SAP Leonardo services interact with SAP S/4HANA – your digital core – to enhance, accelerate or automate your business processes. This powerful combination is natively designed to leverage in-memory

technology and provide instant, real-time insight that is:

- **Immediate**, empowering business users to act in the moment
- **Intelligent**, moving beyond automation to predictive suggestion
- **Integrated**, not only between your departments, but with the digital world at large

Improve your efficiency, move from insights to action, reduce your total cost of ownership, and imagine new ways to run smarter, with enhanced business processes driven by SAP.

Streamline accounting with intelligent invoice matching

At SAP, we're innovating new ways to use machine learning to help you Run Simple. That's why we created SAP Cash Application software, a cloud service that harnesses machine learning to automate the invoice matching process.

Invoice matching can be an onerous manual task for accounting departments in order-to-cash organizations. SAP Cash Application integrates with SAP S/4HANA using SAP Leonardo Machine Learning capabilities to easily handle problems like missing invoice references, outdated master data, or payments toward multiple invoices.

Bank statements that can't be processed by the standard rules are forwarded to SAP Cash Application, along with open receivables, so the machine learning model can infer matching proposals. The application uses criteria from historical financial clearing information to capture a rich profile of customer- and country-specific behavior.

With SAP Cash Application, your finance team can focus on what drives your business – strategic priorities, customer service, and innovation – not administrative burdens. And since the model is constantly learning from new data, it automatically adapts to your evolving business.

Streamline accounting with intelligent invoice matching

Defend your organization from fraud with predictive algorithms

Sharpen your competitive edge with proactive contract management

Avoid roadblocks with predictive delivery planning



Accelerate cash processing for reduced manual effort and **lower total cost of operations.**

Defend your organization from fraud with **predictive algorithms**

Having an intelligent system in place to protect your organization from fraud ensures your most important business processes go undisrupted. It's not enough to simply react to suspicious activity. You need a proactive approach that predicts fraudulent events before they even happen.

The SAP Business Integrity Screening applications help you respond faster to threats by improving analysis capabilities and increasing visibility into potential fraud. Powered by in-memory technology and integrated into SAP S/4HANA and other third-party sources, it allows your investigators to collect, analyze, and act on very large amounts of data in real time.

Using machine learning delivered by SAP Leonardo, SAP Business Integrity Screening includes predictive detection methods to identify potentially fraudulent use cases based on historical data. Our fully integrated application ensures real-time information gets to the right people to make the best management decisions, yielding actions that affect the detection or prevention of a fraud attack.

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Customize fraud scenarios to your organization and update predictive algorithms as fraud-attack strategies change – **by the day, hour, and minute.**

Sharpen your competitive edge with **proactive contract management**

Staying competitive means running smarter in every facet of your business. When it comes to sourcing and procurement, SAP S/4HANA makes it easier than ever to stay on top of contract consumption and expiration.

We help you manage spend across every major category, reduce direct costs and administrative burden, and shorten your overall cycle time.

SAP S/4HANA already tracks real-time consumption per month of quantity and value contracts. Now we're letting you look into the future to plan even smarter.

Integrated predictive services from SAP Leonardo deliver new insights on contract consumption dates based on historical data from closed contracts. You can determine when contract consumption will reach 100%, enabling you to proactively plan renegotiations with suppliers and stay ahead of the curve.

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Renegotiate with your suppliers at the right time based on predicted expiration and total consumption dates.

Avoid roadblocks with **predictive delivery planning**

The world is moving faster every day, and that means you need to be more agile than ever. SAP gives you tools to think on your feet and act quickly when problems arise.

For organizations that send and receive goods to and from their plants, that means always knowing the status of materials in transit – so when delays, shortages, or other problems come up, you're always prepared.

SAP Predictive Analytics for Stock in Transit provides an overview of open shipments that predicts shipment dates for each delivery, allowing users to take action and manage delivery delays, production scheduling, and other downstream activities.

Stock-in-transit software from SAP leverages machine learning so that results become more and more accurate as users retrain the model with stored historical data.

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Proactively minimize the impact of shipment delays, reduce stock overages and shortages, and **better manage inventory costs.**

Empower your business with an **intelligent digital core**

SAP S/4HANA is the nerve center of your entire business. It's the digital core that connects all of your processes, provides you with live insights, and seamlessly integrates your enterprise with the digital world.

By integrating services from SAP Leonardo, you:

- Enhance your business processes to deliver new solutions across all lines of business
- Go beyond traditional transactions to drive digitized, automated operations based on a single source of information – for planning, execution, prediction, simulation, or analysis – all in real time

- Empower your teams to make strategic decisions in the moment, based on deep, forward-looking business insights

SAP S/4HANA gives you a number of intelligent applications and services, with additional offerings scheduled for future releases. For individual use cases and processes, SAP Leonardo Machine Learning APIs on SAP Cloud Platform let you build your own customized machine learning applications.

SAP S/4HANA integrated with SAP Leonardo delivers all the ingredients you need to reimagine the way your business works, for intelligent processes that translate to outstanding results.



Create your own intelligent infrastructure,
automate knowledge work and **do the impossible.**

Summary

SAP S/4HANA integrates with SAP Leonardo to deliver powerful new possibilities for enhancing your core business processes with a first wave of intelligent applications. From automated invoice matching to predictive fraud detection, SAP Leonardo services interact with your organization's digital core to enhance, accelerate or automate key business processes.

Objectives

- Capitalize on real-time information to rapidly move from insights to action
- Boost efficiency and scale your shared service capabilities
- Improve risk identification and prevention, and respond faster to threats
- Proactively manage contracts and improve your contract negotiation effectiveness
- Achieve more reliable planning and scheduling

Solutions

- Intelligent applications connect SAP S/4HANA with powerful services in SAP Leonardo
- Machine learning application automates invoice matching
- Predictive analytics identifies and prevents fraud cases
- Machine learning service predicts contract consumption
- Smart insights forecast delivery time of stock in transit

Benefits

- Enable real-time strategic decisions
- Reduce manual effort to free up time for strategic tasks
- Minimize disruptions to critical business processes
- Empower competitive contract renegotiation
- Stay ahead of shipment and delivery roadblocks

Learn more

SAP can help you define your digital business vision today. For more information, contact your SAP representative or visit: www.sap.com/s4hana.



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