

## Smart Manufacturing for SAP

Manufacturing has become highly automated and information-intensive, fueled by vast quantities of data and intelligent machines that work alongside highly skilled human beings in collaborative environments. Digital manufacturing can bring together information, technology and innovation to deliver deep visibility and insight into manufacturing operations. However, charting the digital journey can be daunting.

Hitachi helps digitally transform manufacturing to reach entirely new levels of operational efficiency and turn market disruption into competitive advantage. We combine deep industry knowledge and technical experience to help manufacturers leverage SAP S/4HANA and SAP Leonardo across business functions to deliver value and innovation.

### Benefits

- Drive operational efficiencies across production, maintenance, quality, scheduling and logistics using disruptive technologies like IoT, advanced analytics and machine learning
- Adapt to change in real-time by continuously monitoring machines, people and processes
- Predict and prevent downtime, bottlenecks and defects
- Increase asset productivity and useful life

- Increase competitive advantage through greater agility, as measured by faster innovation, more flexible and customized product mix, and faster supply chain reconfiguration

### Hitachi's Smart Manufacturing Solutions for SAP include

- **Hitachi Optimized Factory for SAP** - Enable timely decision-making through communication and continuous monitoring of machines, people, materials and manufacturing processes. The solution aggregates OT, IT and IoT data and uses predictive analytics and machine-learning methods to provide actionable insights that can drive continuous improvement and leaner operations.
- **Hitachi Predictive Maintenance for SAP** - Utilize IoT techniques like reliability-centered maintenance, overall equipment effectiveness, and analytics to significantly improve maintenance efficiency, asset availability, and lifetime value.
- **Hitachi Enhanced Logistics for SAP** - Accelerate the time to value for gaining better control over the activities and costs of delivering or picking up fluid and aggregate products through better demand forecasting, timely conversion of demand to orders, near real-time transportation planning and execution, and billing/invoicing.



### Hitachi Industry Accelerators

Hitachi extends SAP core functionality with Hitachi-designed Accelerators. By combining our Accelerators such as Dynamic Scheduling, Predictive Maintenance and Predictive Quality with SAP, manufacturing clients can drive increased profitability through better product quality and jump start improved equipment utilization and on-time delivery rates.

- **Predictive Quality Accelerator** - Pinpoint the root causes and trends of poor quality with advanced analytics. With real-time data collection from automated processes and inspection points, your systems will be able to notify personnel of downstream problems, with enough time to mitigate the quality issue and cost.
- **Dynamic Scheduling Accelerator** - Identify work cell-level schedule variance-to-benchmark, predict the downstream impact, and recommend a counter-measure... all in real-time.
- **Predictive Maintenance Accelerator** - Use IoT, Reliability-Centered Maintenance (RCM), Overall Equipment Effectiveness (OEE), and data analytics to significantly improve maintenance precision and efficiency, asset reliability and asset useful life.



## Managed Cloud Services for SAP

In addition to our solutions and accelerators, Hitachi provides comprehensive Managed Cloud Services for SAP with a fixed price all-inclusive SLA and dedicated support teams. Our offering includes everything you need, including: Basis management and administration in a private or public cloud environment, reporting and transparency, plus global 24x7 monitoring. We help enterprise customers increase the efficiency and flexibility of their SAP landscapes and support operations.

## Application Managed Services

Hitachi Consulting helps clients leverage their SAP system to fully utilize functionality and features. Our Application Managed Services (AMS) specialists help maximize the value and performance of SAP investments to achieve better business results. We offer a full range of Level 1, Level 2, Level 3 and Level 4 Application Support services with on-site, onshore and offshore resource options including hosting and basis support. Our approach to managed services can rapidly identify and resolve issues, reduce risks, assess root cause and resolve recurring issues, increase availability and productivity allowing IT to focus on strategic initiatives.

## Hitachi speaks Manufacturing. Clients Trust our Knowledge and Expertise

SAP S/4HANA, the digital core for manufacturing, combined with Hitachi's IoT solutions and accelerators and SAP Leonardo provide the cornerstone to transform operations. Hitachi has the resources, skills and experience to help fast-track the transformation.

Ask us about how Hitachi can help you take the next steps in your Smart Manufacturing and IoT journey, with our Design Thinking Workshop process. We analyze your current environment and determine where and how our Hitachi-SAP solutions can help.

We offer a wide range of digital manufacturing services that run seamlessly with SAP S/4HANA—from Hitachi Predictive Maintenance for SAP and Hitachi Optimized Factory for SAP solutions, to Hitachi Accelerators built with SAP Leonardo to boost transformation programs and ongoing platform support. We enable the S/4HANA Migration, IoT and Leonardo process to help clients boldly address technology and market disruption and achieve competitive advantage in the digitally-connected, always-on, real-time world.

Learn more about [Hitachi's Smart Manufacturing for SAP](#) solutions and how to start the digital transformation journey with an IoT assessment or workshop.

## About Hitachi Consulting

Hitachi Consulting is the global solutions and professional services organization within Hitachi Ltd., a global innovation leader in industrial and information technology solutions and an early pioneer of the Internet of Things. Hitachi Consulting is a business integrator for the IoT era and a catalyst for digital transformation. Using our deep domain knowledge, we strategically collaborate with our clients to help them innovate faster, maximize operational efficiency and realize measurable, sustainable business and societal value. As a consulting-led solutions company, we can help you leverage data as a strategic asset to drive competitive differentiation, customer loyalty and growth. To learn more, visit [www.hitachiconsulting.com](http://www.hitachiconsulting.com).