DXC AI Digital Manufacturing Cloud for SAP BTP

Empowering Next-Gen Manufacturing: Seamless Integration, Superior Insight.
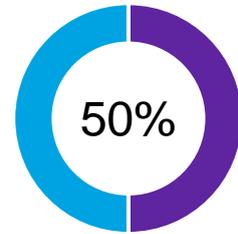

Solution overview

Digital Manufacturing solution, offers a transformative approach to enhancing manufacturing performance and addressing the following challenges:
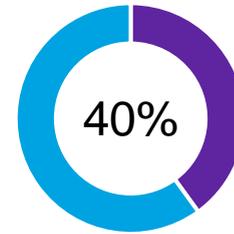
- Lack of Visibility across the top floor and shop floor
- Challenge in Optimizing Operations and Productivity
- Challenge in Overall Equipment Effectiveness

This solution facilitates a seamless flow of information across the top floor and shop floor, ensuring decision-makers and operators are aligned with real-time insights. By harnessing powerful Key Performance Indicators (KPIs) and analytics, manufacturers can achieve precision in production processes, identify and act on operational inefficiencies, and monitor performance against strategic objectives. The addition of machine learning for visual inspection and AI-driven anomaly detection further boosts operator productivity and ensures a proactive stance on maintenance and quality control. This holistic approach not only champions sustainable, risk-resilient operations but also propels manufacturing into the era of Industry 5.0, marked by efficiency, innovation, and resilience.
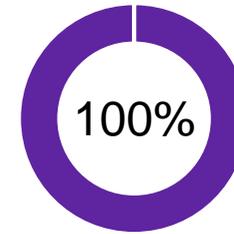
Customer benefits realized

Up to **50%** reduction in operational costs

40%+ improved speed to market

100% compliance

Business benefits

Increased operational efficiency

Digital Manufacturing Cloud provides real-time visibility into manufacturing operations, enabling businesses to optimize production processes, reduce downtime, and minimize bottlenecks. This leads to improved productivity and efficiency across the entire manufacturing value chain.

Increased agility and flexibility

The solution enables businesses to quickly adapt to changing market demands and customer preferences. It provides real-time visibility into production capacity, inventory levels, and supplier performance, allowing businesses to make informed decisions and quickly adjust production plans as needed.

Enhanced quality control

With the solution, businesses gain access to advanced analytics and predictive insights that enable proactive quality control. By monitoring and analyzing manufacturing data in real-time, businesses can identify and address quality issues before they impact production or customer satisfaction.

Cost Savings

By streamlining and optimizing manufacturing processes, SAP Digital Manufacturing Cloud helps businesses reduce costs associated with production inefficiencies, equipment downtime, and quality issues. Additionally, the platform enables businesses to optimize inventory levels, minimize waste, and reduce energy consumption, resulting in significant cost savings.

Improved collaboration and communication

The solution facilitates seamless collaboration and communication among all stakeholders involved in the manufacturing process, including suppliers, production teams, and customers. This enables faster decision-making, better coordination, and improved overall communication, leading to more efficient and effective manufacturing operations.

Features

- Seamless Integration with SAP S/4 HANA and EWM
- Visibility across the top floor and shop floor
- Workforce productivity
- Real-time production monitoring
- Rapid decision-making with access to real-time data
- DXC Addon Solutions for Smart Warehouse, Predictive maintenance and Quality management

Solution components

- SAP S/4HANA Cloud Private Edition
- SAP ERP Private Edition
- SAP Digital Manufacturing Cloud
- SAP Integration Suite

Contact us to learn more.

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DXC Public