

**Cloud Manufacturing Execution System (MES) Market Size and Forecast (2021 - 2031), Global and Regional Share, Trend, and Growth Opportunity Analysis Report Coverage: By Component [Software and Services (Professional Services and Managed Services)], Deployment (Public Cloud, Hybrid Cloud and Private Cloud), Enterprise Size (Large Enterprises and SMEs), Sales Channel (Direct Sales and Channel Partners), End User [Discrete Industry (Automotive, Electronics, Semiconductors, Aerospace and Defense, Medical Devices, Consumer Packaged Goods and Others) and Process Industry(Food and Beverages, Pharmaceuticals and Life Sciences, Chemicals, Oil and Gas, Pulp and Paper, Energy and Power, Water and Waste Water Treatment and Others)], and Geography**

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## **Abstracts**

The Cloud Manufacturing Execution System (MES) Market size was valued at US\$ 10.64 billion in 2024 and is expected to reach US\$ 24.13 billion by 2031. The Cloud Manufacturing Execution System (MES) Market is estimated to record a CAGR of 12.5% from 2025 to 2031.

The US, Canada, and Mexico are among the major countries in North America. The region is a pioneer in adopting MES 4.0, which is characterized by its integration with Industry 4.0 technologies such as IoT, AI, machine learning, and advanced analytics. The move toward MES 4.0 is primarily driven by the need for smarter, more efficient manufacturing operations; real-time data; and seamless connectivity between the shop floor and enterprise systems. As industries increasingly focus on digital transformation, MES 4.0 provides the infrastructure for smart manufacturing, enabling real-time decision-making, predictive maintenance, and greater production flexibility. Sepasoft provides MES 4.0 and brings a suite of tools that streamline continuous integration and continuous deployment (CI/CD), enhance performance and stability, and aid future-proof operations. Their Changesets feature grants full MES deployment control, while compatibility with Ignition 8.3 unlocks powerful new functionalities such as Event Streams.

Industries across North American countries are adopting cloud MES solutions to reduce paper-based document usage, ease document storage operations, eliminate error-prone processes, and improve data access and analytics. Also, market players in the region are continuously innovating to provide more advanced solutions to customers. For instance, in December 2022, Tulip launched its Cloud Manufacturing Execution System (MES) in the Amazon Web Services (AWS) Solutions Library, offering businesses a cost-effective, scalable MES solution. With Tulip's composable platform and AWS's real-time data access and reliability, companies can transform operations with a cloud-based MES.

The cloud manufacturing execution system (MES) market in North America is witnessing substantial growth as manufacturers and government authorities increasingly recognize the benefits of real-time production monitoring and process optimization. Manufacturing companies throughout the country are realizing the positive impact of smart technologies on their production operations, which has led to investments in advanced manufacturing in the region. According to the government of Canada, it has provided US\$ 427 million in funding for the Cluster for Advanced Manufacturing until October 2023. With funding initiatives aimed at modernizing manufacturing infrastructure, governments encourage industries to adopt cutting-edge solutions for improved efficiency and competitiveness. These investments promote the transition to smart factories, wherein MES plays a critical role in real-time monitoring, data analytics, and process optimization. Additionally, government incentives for digital transformation and Industry 4.0 adoption are accelerating the demand for cloud MES systems. Thus, all the above factors are expected to boost the Cloud Manufacturing Execution System (MES) Market growth in North America in the coming years.

In terms of deployment, the cloud manufacturing execution system (MES) market is segmented into private cloud, public cloud, and hybrid cloud. The public cloud segment held the largest Cloud Manufacturing Execution System (MES) Market share in 2024. Deploying public-based MES provides significant cost advantages to industries. It helps them gain access to advanced capabilities without making large infrastructure expenditures. Public cloud-based MES solutions are easily scalable, providing flexibility to meet variable production demands. The public cloud-based system enables real-time access to production data, which improves decision-making and performance monitoring across many sites. Moreover, this software reduces the extra maintenance requirements by enabling manufacturers to innovate, improve processes, and achieve faster time-to-market.

Apprentice FS Inc; 42Q; SAP SE; ABB Ltd; Schneider Electric SE; Infor; Korber AG; General Electric Co; Rockwell Automation Inc; Siemens AG; PSI Software SE; EAZYWORKS INC.; Eyelit Technologies; Glorysoft (Shanghai) Co., Ltd.; Oracle Corp; Autodesk Inc; International Business Machines Corp; IFS AB; FA software (Shanghai) Co., Ltd; Epicor Software Corp; IBASET INC; ANT Sp. z o.o.; NoMuda Ltd; Symestic GmbH; and Tulip Interfaces, Incare among the prominent players profiled in the Cloud Manufacturing Execution System (MES) Market report. Several other major players were also studied and analyzed in the Cloud Manufacturing Execution System (MES) Market report to get a holistic view of the market and its ecosystem.

The overall Cloud Manufacturing Execution System (MES) Market share has been derived using both primary and secondary sources. Exhaustive secondary research has been conducted using internal and external sources to obtain qualitative and quantitative information related to the Cloud Manufacturing Execution System (MES) Market. The process also helps obtain an overview and forecast of the market with respect to all the market segments. Also, multiple primary interviews have been conducted with industry participants to validate the data and gain analytical insights. This process includes industry experts such as VPs, business development managers, market intelligence managers, and national sales managers, along with external consultants such as valuation experts, research analysts, and key opinion leaders, specializing in the Cloud Manufacturing Execution System (MES) Market.

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