Manufacturing Execution System Market by Deployment Type, Process Industry (Chemicals, Food & Beverages, Life Science, Oil & Gas, Power), Discrete Industry (Aerospace & Defense, Automotive, Medical Devices) and by Region - Global Forecast to 2020

Description: A manufacturing execution system helps manage and automate the manufacturing processes on a production floor, thereby enhancing the performance of business processes. It tracks minute by minute record of production, maintenance, distribution, quality, and labor operations regardless of the physical location of the manufacturing units. The manufacturing execution system market is expected to reach USD 12.6 Billion by 2020 at a CAGR of 10.85% between 2015 and 2020.

One of the main objectives of a manufacturing execution system is to track the real-time data intelligence and provide flexibility in manufacturing operations. The manufacturing execution system market has been segmented on the basis of process industry, discrete industry, deployment type, and region. The market segmented on the basis of process industry includes oil & gas, chemicals, food & beverages, pulp & paper, life sciences, power, and water & wastewater management. The market for MES in the food and beverages sector is expected to grow at a high CAGR of 14.35% between 2015 and 2020. The discrete industry sectors comprise automotive, medical devices, aerospace & defense, and FMCG. The application of MES in the automotive sector accounted for a large share of the manufacturing execution system market. The emerging impact of cloud-based MES is propelling the adoption of manufacturing execution systems at the production stage. The market for hybrid cloud-based MES is expected to grow at a high CAGR of 15.54% between 2015 and 2020.

The report provides the profiles of major companies in the manufacturing execution system market. It also provides the competitive landscape of key players, detailing their growth strategies in the manufacturing execution system market. The report covers the entire value chain for the market, including an in-depth analysis. The major players in the manufacturing execution system market comprise ABB Ltd. (Switzerland), Andea Solutions (Poland), Dassault Systemes SA (France), Emerson Electric Co. (U.S.), General Electric Co. (U.S.), Honeywell International Inc. (U.S.), Rockwell Automation, Inc. (U.S.), SAP AG (Germany), Schneider Electric SE (France), Siemens AG (Germany), and Werum IT Solutions GmbH (Germany).

The report includes a brief description of the factors driving and restraining the market as well as opportunities and challenges. The factors driving the market include the increasing demand for cloud-based MES, paperless operations, real-time data analysis, and regulatory compliance. The high investment required for the adoption of MES and need to improve MES software in longer run is expected to add additional costs are the major restraining factors for the growth of the manufacturing execution system market. The report also provides the Porter's five forces analysis along with a description of each of the forces and its respective impact on the manufacturing execution system market.

Scope of the Report:

This research report categorizes the global manufacturing execution system market based on process industry, discrete industry, deployment type, and region.

On the basis of the process industry:

The manufacturing execution system market has been segmented into different process industry application areas such as oil & gas, chemicals, food & beverages, pulp & paper, life sciences, power, water & wastewater management, and others.

On the basis of the discrete industry:

The manufacturing execution system market has been segmented into discrete industry application areas such as automotive, medical devices, aerospace & defense, FMCG, and others.

On the basis of deployment type:
The manufacturing execution system market has been segmented based on the deployment type into on-premises, on-demand, and hybrid.

On the basis of geography:

The global manufacturing execution system market has been split into four regions - the Americas, Europe, Asia-Pacific, and Rest of the World. The market in the Americas covers the U.S., Canada, and Mexico. The market in Europe includes the U.K., France, Italy, and others. The market in Asia-Pacific includes China, Japan, India, and others. The market in the Rest of the World includes the Middle East, Africa, and Latin America.

Target audience of the report:

The intended audience for this report includes:

- ERP developers
- Manufacturing execution system software providers
- Research and development organizations
- System integrators
- Cloud systems providers

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