

# **South America Manufacturing Execution System (MES) In Life Sciences Market Forecast to 2033 - COVID-19 Impact and Regional Analysis by Offering (Software and Services), Deployment (On-Premises and Cloud), Organization Size (SMEs and Large Enterprises), and Application (Pharmaceutical, Biotechnology, and Medical Devices)**

<https://marketpublishers.com/r/S6559743C7DCEN.html>

Date: May 2023

Pages: 118

Price: US\$ 3,000.00 (Single User License)

ID: S6559743C7DCEN

## **Abstracts**

The South America manufacturing execution system in life sciences market is expected to grow from US\$ 191.40 million in 2023 to US\$ 539.98 million by 2033. It is estimated to grow at a CAGR of 10.9% from 2023 to 2033.

### **Rise in Adoption of Pharma 4.0 Fuels South America Manufacturing Execution System (MES) In Life Sciences Market**

The growing digitization in the pharmaceutical industry is raising the demand for Pharma 4.0. The model helps increase connectivity and productivity, simplify compliance, and marshal production information to respond to problems as they emerge. The Pharma 4.0 model helps transform the manufacturing workforce by connecting workers to more human-centric workflows by shifting the company culture. Various regulatory bodies, such as International Society for Pharmaceutical Engineering (ISPE) and its members, are developing a roadmap to introduce Pharma 4.0. The objective of the Pharma 4.0 model is to enable organizations to leverage the full potential of digitalization to provide faster therapeutic innovations and improve production processes for the patient's benefit. Pharma 4.0 allows organizations to connect teams, uphold compliance standards and provide deep analytics, enhancing safety, yield, and quality. Thus, Pharma 4.0 helps provide real-time data and predictive

analysis to optimize production, improve quality assurance and regulatory compliance, reduce risk, and enhances business. MES is a crucial element of Pharma 4.0 as it links machines and systems together to create intelligent networks that control each other, ensure better process flow, and can be programmed to trigger automatic processes as needed. Intelligent MES and EBR are being developed, specifically for smaller factories and plants, to promote the adoption of Pharma 4.0 among such stakeholders. Key players of the Pharma 4.0 ecosystem are collaborating to accelerate the adoption of the same. For instance, in March 2021, Lonza and NNIT announced a partnership to speed up MES projects. Under this partnership, the companies will combine Lonza's MODA Platform with NNIT's Accelerated Implementation Methodology. Thus, with this, the companies will get a complete pharma 4.0 solution and achieve their digitalization vision faster than ever. Therefore, all the above factors are increasing the adoption of Pharma 4.0, fueling the growth of the manufacturing execution system in life sciences market.

## South America Manufacturing Execution System (MES) In Life Sciences Market Overview

South America manufacturing execution system market is segmented into Brazil, Argentina, and the Rest of South America. Various vendors can attract new customers and expand their footprint in emerging markets of South America with new technological advancements. At present, South America accounts for ~3% share of the global pharmaceutical industry. The pharmaceutical industry in the region grew at an annual rate of ~7% through 2023. Brazil alone holds the largest share of this industry. The pharmaceutical manufacturing industry in the country has positioned itself to serve other emerging South American markets as well.

## South America Manufacturing Execution System (MES) In Life Sciences Market Revenue and Forecast to 2033 (US\$ Million)

## South America Manufacturing Execution System (MES) In Life Sciences Market Segmentation

The South America manufacturing execution system in life sciences market is segmented into offering, deployment, organization size, application, and country.

Based on offering, the South America manufacturing execution system in life sciences market is segmented into software and services. The services segment held a larger share of the South America manufacturing execution system in life sciences market in

2023.

Based on deployment, the South America manufacturing execution system in life sciences market is segmented into on-premises and cloud. The cloud segment held a larger share of the South America manufacturing execution system in life sciences market in 2023.

Based on organization size, the South America manufacturing execution system in life sciences market is segmented into SMEs and large enterprises. The large enterprises segment held the largest share of the South America manufacturing execution system in life sciences market in 2023.

Based on application, the South America manufacturing execution system in life sciences market is segmented into pharmaceutical, biotechnology, and medical devices. The medical devices segment held the largest share of the South America manufacturing execution system in life sciences market in 2023.

Based on country, the South America manufacturing execution system in life sciences market is segmented into Brazil, Argentina, and the Rest of South America. Brazil dominated the share of the South America manufacturing execution system in life sciences market in 2023.

Emerson Electric Co; Rockwell Automation Inc; Schneider Electric SE; and Siemens AG are the leading companies operating in the South America manufacturing execution system in life sciences market.

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