Enterprise manufacturing operational intelligence (EMI) is the framework of integrated software and services that bring together a company’s manufacturing and operations data. This requires integrating disparate sources in a cohesive, intelligent, and contextual fashion for reporting, analysis, and visualization. EMI captures data between operations, enterprise-level and plant floor systems. Applications included in EMI include data integration and aggregation, data contextualization and management, analytics and analysis, and visualization. A subset of the Manufacturing Execution System (MES) market, EMI, is the fastest-growing subcategory within this space.

EMI captures, aggregates, and provides analysis and visualization tools and intelligent dashboards for manufacturing big data, including data from smart sensors and other smart, connected devices.

The EMI market is growing because companies are looking for ways to make faster decisions, avoid abnormal behavior, improve time-to-value, and optimize operations. EMI solutions can help improve visibility, and reduce costs.

Successful EMI implementations support a more collaborative environment, interoperability, and global standards. The EMI market continues to grow because it improves visibility and collaboration across global industrial enterprises and provides operations, engineering, and management with the operational intelligence needed for more effective, real-time decision making.

The EMI market is diverse, with each industry having its own distinct applications and suppliers. This study provides an in-depth analysis of the market by industry segments and geographic regions. It also provides insightful analysis of key issues that will affect this market in the future. Strategic questions addressed include:

- What are the key market trends and drivers in manufacturing and their respective impacts?
- What are drivers and inhibitors for usage?
- Which EMI functional categories are growing the fastest?
- Which industries and regions offer the greatest growth opportunities?
- What are some of the key technologies being implemented?

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