

KEY FINDINGS FROM GARTNER'S MARKET GUIDE FOR MES/MOM IMPLEMENTATIONS

- 2019 -

Third-party providers are often relied upon to justify, select, configure, implement, integrate and extend MES/MOM systems - Gartner

Qualifiers for Selecting a MES/MOM Implementation Provider

OPTIMAL SCALE & PROCESSES



Evaluate implementation provider's engagements and choose the one that matches your goals, risk tolerances, scale and scope

DOMAIN EXPERTISE



Implementation provider must demonstrate sufficient resources with domain expertise in your industry and manufacturing style

ENABLERS FOR FILLING THE KNOWLEDGE GAP



Evaluate the match between your organization's technological talent gaps and the implementation provider's strengths in respective skills

EMPOWERS YOUR TEAMS TO BE SELF-SUFFICIENT



Implementation provider must have the right knowledge and processes to make your teams self-sufficient for future deployments



By 2022, 30% of new MES/ MOM solutions will be custom-built by end-user manufacturers or implementation providers using the industrial Internet of things (IIoT) platform and process modeling toolkits

- Gartner -

Gartner ranks ATS Global as one of the Top-4 Global MES/ MOM Consulting and System Integration Companies

How MES/MOM Implementation Differ from ERP Implementation?

Comparison Parameters	MES/ MOM Implementation	Traditional ERP Implementation
Diversity and complexity of implementations	Extremely Diverse Varies from industry to industry, company to company and plant to plant	Configurable ERP implementations are relatively standardized across plants and functions
Domain Expertise in Industrial Automation	Critical Machine-to-Machine (M2M) communication is key to successful implementations	Good to have Operational Technology (OT) provide process data for enterprise systems

MES/MOM implementation is the “last mile” of IT. Combination of flexible manufacturing processes and proliferation of automation devices have resulted in diverse Operational Technology (OT) landscape that defies standardization

- Gartner -

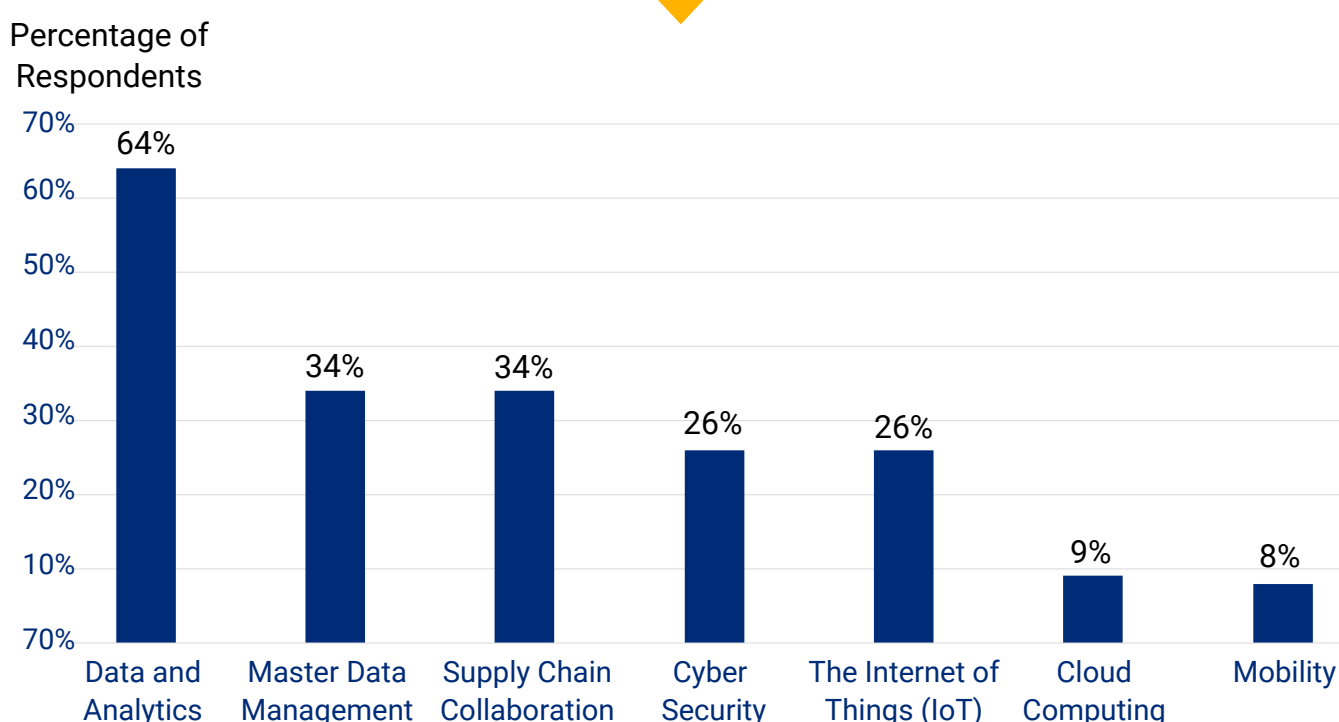
Key Characteristic of an Ideal MES/ MOM Integration Provider

- Application development experience** to make generic MES/MOM offerings work in manufacturing environments
- Knowledge** and skills for IT & OT applications with the ability to integrate both the environments
- Expertise** in specific industry vertical, production techniques, best practices and regulations

Top Trends in Global MES/ MOM Implementation Landscapes

- Enterprise Focus**
Shift from plant-specific MES/MOM to enterprise projects aimed at plant-wide manufacturing operations across plants
- System Consolidation**
Reduce the number and variety of shop floor systems (many of which are 20 - 30 years old)
- Collaboration**
Standardize and modernize to improve communication and collaboration between production and supply chain
- Consolidation of applications**
Making additional IT resources (and budget) available to optimize manufacturing application processes
- Technological advancement**
Adoption of platform toolkits to achieve smart manufacturing goals in MES/MOM implementations

Technologies for Organisation's Manufacturing IT Architecture



n = 92

Source: Gartner (May 2019)

Question: Considering your organisation's current IT climate, which of the following IT trends are most important to your manufacturing IT architecture today, and which do you expect to be most important by year-end 2021?

Want to Know More?



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