



Strategic Asset Management and
Operational Excellence with IBM
Maximo



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Introduction:

The Strategic Asset Management and Operational Excellence with IBM Maximo course equips professionals with the knowledge required to align asset management strategies with organizational goals. This course offers a structured overview of achieving operational excellence through proactive maintenance, optimized asset performance, and compliance-driven strategies utilizing IBM Maximo. It emphasizes the importance of strategic planning in asset lifecycle management for improved service delivery and ROI.

Participants will explore the core functionalities of IBM Maximo, including work management, inventory control, and asset tracking, all within a framework of strategic alignment. The Strategic Asset Management and Operational Excellence with IBM Maximo training course also focuses on leveraging data and analytics to enhance asset decision-making and risk management.

In this Strategic Asset Management and Operational Excellence with IBM Maximo program, professionals will gain insights into integrating Maximo with their organization's processes for streamlined asset management operations. This learning path supports professionals in achieving business excellence by maximizing uptime, reducing operational risks, and enhancing overall asset reliability.

Targeted Groups:

This Strategic Asset Management and Operational Excellence with IBM Maximo training targets professionals seeking specialized knowledge and skills:

- Maintenance managers are responsible for asset reliability.
- Asset management specialists in industrial or infrastructure sectors.
- Operations managers are aiming to improve asset performance.
- Facility managers oversee multiple asset types.
- Reliability engineers are optimizing preventive maintenance strategies.
- IT professionals supporting Maximo EAM implementation.
- Enterprise asset management consultants.
- Professionals involved in digital transformation initiatives.
- Planners and schedulers in production environments.
- Decision-makers implementing ISO 55000 standards.
- Government and utility sector managers oversee critical assets.
- Professionals in the oil, gas, energy, and transportation sectors.

Course Objectives:

Participants will achieve the following objectives by completing the Strategic Asset Management and Operational Excellence with IBM Maximo course:

- Understand the principles of strategic asset management.
- Define the role of IBM Maximo in enterprise asset management.
- Identify key processes that support operational excellence.
- Recognize the lifecycle stages of physical assets.
- Apply asset performance frameworks to improve efficiency.
- Analyze asset data to support strategic decision-making.
- Describe methods for aligning asset plans with business goals.
- Examine risk-based maintenance planning approaches.
- Interpret key performance indicators in asset performance.
- Evaluate maintenance strategies for critical assets.
- Differentiate between reactive and proactive asset management.
- Illustrate how Maximo integrates with business systems.
- Optimize work management through IBM Maximo functionalities.
- Recommend asset strategies based on business value.
- Measure the effectiveness of asset management processes.
- Ensure compliance with industry standards and best practices.
- Develop a structured approach for continuous improvement.
- Communicate asset strategy goals across departments.

Targeted Competencies:

Participants will gain the following competencies during the Strategic Asset Management and Operational Excellence with IBM Maximo program:

- Strategic planning and asset alignment.
- Asset lifecycle analysis and management.
- Operational performance evaluation.
- Proficiency in IBM Maximo capabilities.
- Decision-making using asset performance data.
- Optimization of maintenance schedules.
- Integration of asset systems across operations.
- Identification of asset-related risks.
- Monitoring of compliance and regulations.
- Development of key performance measures.

Course Content:

Unit 1: Foundations of Strategic Asset Management:

- Definition and Importance of Asset Management in Modern Enterprises.
- Overview of ISO 55000 and its strategic relevance.
- Asset lifecycle stages and long-term performance.
- Relationship between asset management and operational excellence.
- Drivers of value from effective asset strategies.
- Asset criticality assessment and prioritization.
- Integration of asset plans with corporate strategies.
- Cost optimization through lifecycle thinking.
- Introduction to IBM Maximo as an EAM platform.

Unit 2: IBM Maximo Overview and Capabilities:

- Introduction to Maximo architecture and core components.
- Understanding Maximo's role in enterprise digital transformation.
- Navigating Maximo's user interface and navigation tools.
- Core modules: assets, work orders, inventory, and procurement.
- Asset registry and configuration best practices.
- Master data management and data integrity in Maximo.
- Defining asset hierarchies and classification structures.
- Work order management fundamentals and processes.
- Integration of IBM Maximo with enterprise systems ERP, SCADA.

Unit 3: Asset Performance and Operational Excellence:

- Identifying performance indicators for asset optimization.
- Building performance dashboards using Maximo data.
- Evaluating asset reliability and downtime metrics.
- Designing preventive and predictive maintenance plans.
- Using condition monitoring and IoT integrations.
- Planning and scheduling for operational efficiency.
- Work prioritization and backlog management.
- Implementing root cause analysis RCA within Maximo.
- Using Maximo for continuous improvement initiatives.

Unit 4: Governance, Compliance, and Risk Mitigation:

- Risk-based asset management principles.
- Regulatory compliance requirements in asset-heavy industries.
- Role of Maximo in meeting audit and compliance needs.
- Asset health and safety management systems.
- Documenting maintenance history and compliance logs.
- Configuring alerts and notifications for high-risk assets.
- Aligning asset policies with risk frameworks.
- Business continuity planning and asset recovery strategies.
- Ensuring data security and access control within Maximo.

Unit 5: Strategy Execution and Value Realization:

- Developing strategic roadmaps for asset management programs.
- Evaluating asset investments through performance benchmarking.
- Building a culture of operational excellence.
- Enabling stakeholder engagement in asset initiatives.
- Communicating performance outcomes through reports and KPIs.
- Mapping asset strategy to business value creation.
- Sustaining long-term improvements in asset utilization.
- Leveraging Maximo analytics for strategic decisions.
- Preparing organizations for asset maturity model assessments.

Final Insights & Key Takeaways:

Strategic asset management is crucial for maximizing the value and longevity of an organization's assets. IBM Maximo serves as a robust platform to support operational excellence and digital transformation. This Strategic Asset Management and Operational Excellence with IBM Maximo course equips professionals with the knowledge to align asset strategies with business goals. By mastering structured asset processes, participants will help drive performance, reliability, and compliance across all asset-intensive sectors.