

# Emerson AMS Device Manager Training

*COURSE CONTENT*

## GET IN TOUCH



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## About Multisoft

Train yourself with the best and develop valuable in-demand skills with Multisoft Systems. A leading certification training provider, Multisoft collaborates with top technologies to bring world-class one-on-one and certification trainings. With the goal to empower professionals and business across the globe, we offer more than 1500 training courses, which are delivered by Multisoft's global subject matter experts. We offer tailored corporate training; project Based Training, comprehensive learning solution with lifetime e-learning access, after training support and globally recognized training certificates.

## About Course

Emerson AMS Device Manager Training by Multisoft Systems is designed to provide professionals with in-depth knowledge of intelligent device management in modern process industries. This course focuses on the configuration, calibration, diagnostics, and maintenance of smart field devices using Emerson's powerful asset management platform.

## Module 1: Introduction to Asset Management Systems

- ✓ Overview of asset management in process industries
- ✓ Introduction to Emerson AMS Device Manager
- ✓ Benefits of intelligent device management
- ✓ Role of AMS in predictive maintenance
- ✓ System architecture and components

## Module 2: Fundamentals of Smart Field Devices

- ✓ Types of field devices (transmitters, valves, analyzers)
- ✓ Smart instrumentation concepts
- ✓ Device parameters and configuration basics
- ✓ Introduction to HART, FOUNDATION Fieldbus, and WirelessHART

## Module 3: Installation & System Setup

- ✓ AMS Device Manager installation overview
- ✓ System requirements and setup process
- ✓ Network configuration and connectivity
- ✓ User roles and access management

## Module 4: Device Configuration & Commissioning

- ✓ Adding and discovering field devices
- ✓ Online and offline device configuration
- ✓ Device templates and parameterization
- ✓ Commissioning best practices

## Module 5: Device Diagnostics & Troubleshooting

- ✓ Understanding device alerts and status
- ✓ Diagnostic tools and techniques
- ✓ Troubleshooting common device issues

- ✓ Interpreting health indicators

## **Module 6: Calibration & Maintenance Management**

- ✓ Calibration concepts and workflows
- ✓ Scheduling and managing maintenance activities
- ✓ Documentation and reporting
- ✓ Compliance and audit readiness

## **Module 7: Predictive Maintenance & Asset Optimization**

- ✓ Predictive vs preventive maintenance
- ✓ Using AMS for condition monitoring
- ✓ Analyzing device data for early fault detection
- ✓ Improving asset lifecycle management

## **Module 8: Integration with Control Systems**

- ✓ Integration with DCS/PLC systems
- ✓ Data exchange and interoperability
- ✓ AMS integration with plant networks
- ✓ Real-time monitoring and control

## **Module 9: Advanced Features & Reporting**

- ✓ Asset dashboards and reporting tools
- ✓ Alert management and notifications
- ✓ Performance analytics and insights
- ✓ Custom reports and data visualization

## **Module 10: Industry Use Cases & Best Practices**

- ✓ Real-world industrial scenarios
- ✓ Case studies from oil & gas, power, and manufacturing

- ✓ Best practices for efficient asset management
- ✓ Safety, reliability, and compliance considerations

## **Module 11: Hands-on Practice & Project**

- ✓ Practical exercises on device configuration
- ✓ Diagnostic and troubleshooting scenarios
- ✓ Mini project on asset monitoring and maintenance