

## Online Interfaces and Optional Features



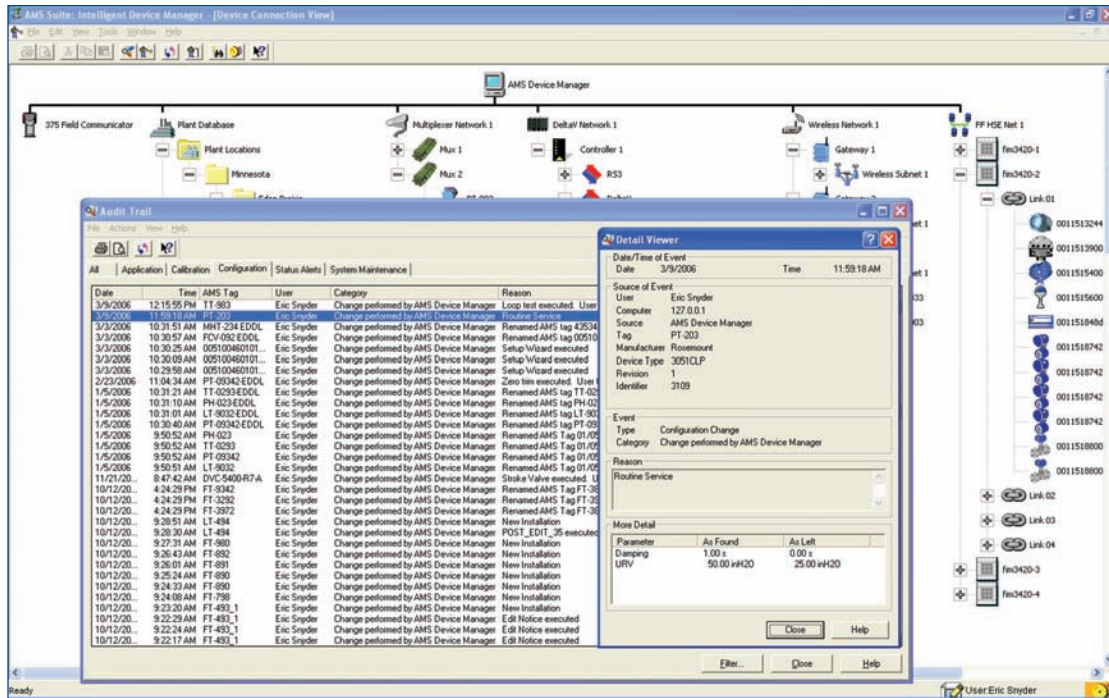
AMS Device Manager provides predictive diagnostics to improve plant availability and reduce maintenance costs.

- Fully implement predictive diagnostics to improve plant availability and reduce maintenance costs
- Gain enhanced information and diagnostic functionality
- Add new features and interfaces as your needs change

### AMS Device Manager

AMS Device Manager provides access to predictive diagnostics and real-time field device information to improve availability and performance. Reduce time required to troubleshoot, configure, and calibrate field devices to more effectively deploy your maintenance resources and improve operations efficiency.

You can also automatically document your maintenance activities to eliminate errors from manual reporting to create an audit-ready plant.



The Audit Trail option enables you to contain documentation costs by automating recordkeeping.

Optional features and interfaces include:

- Audit Trail
- Host System Interfaces
- Handheld Communicator Interface
- HART® Multiplexer Interface
- HART Over PROFIBUS Interface
- FOUNDATION™ fieldbus
- High Speed Ethernet Interface
- Kongsberg Maritime Interface
- ROC (Remote Operations Controller) Interface
- Router DTM Interface
- Siemens PCS 7 Interface
- Smart Wireless Interface
- Integration Tools
- Calibration Assistant SNAP-ON™ application with Smart Documenting Calibrator Interface

## Licensed Options Extend Asset Management Capabilities

Extend the reach of your AMS Device Manager system by adding licensed options that meet the needs of your plant.

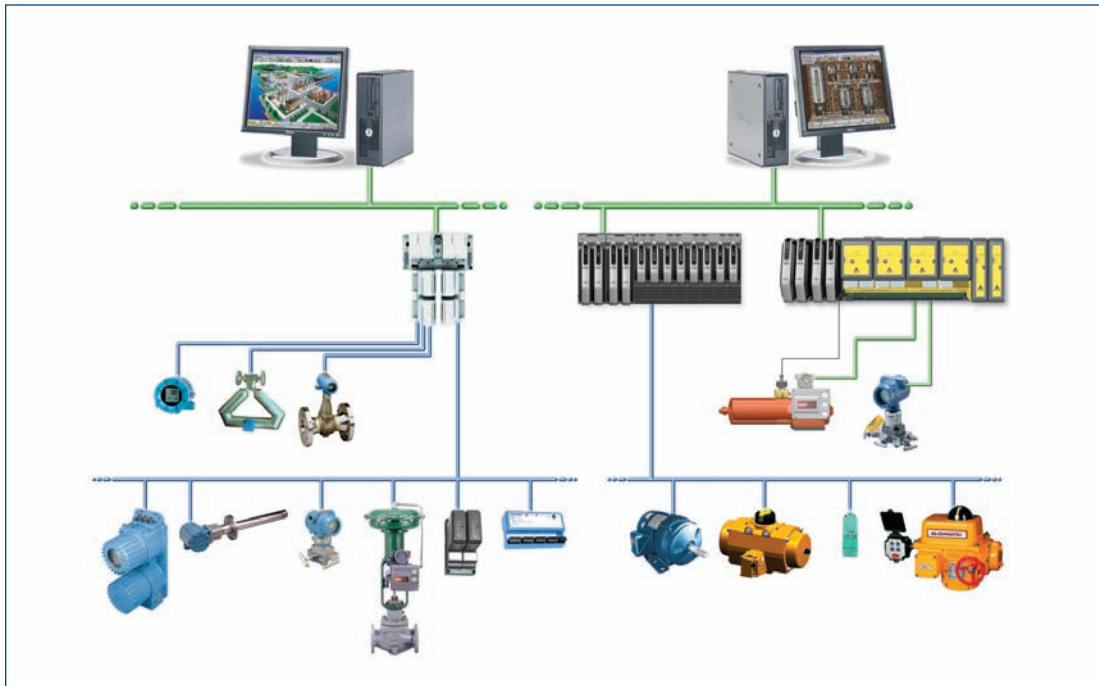
## Audit Trail

Audit Trail provides historical records of device configuration changes and performance.

You can view records based on tag or serial number. Each record allows you to look at the changes for a specific device, the reason for the change, and who performed it. Audit Trail records can be used to help meet process safety requirements. All records are date- and time-stamped and have a user/PC correlation. To ensure data integrity, historical records cannot be edited.

## Integration Tools

Integration Tools enables the OPC Server in AMS Device Manager, which allows OPC Client applications to access device data in the database or directly from the device. Integration Tools also enables the XML Web Services to interface device information with third-party applications.



*Using AMS Device Manager with a DeltaV or Ovation control system enables you to access important predictive diagnostics.*

## Host System Interfaces

### DeltaV™ System

AMS Device Manager and the DeltaV system work together to deliver a user interface in an integrated operating environment for HART, FOUNDATION fieldbus, IEC-approved *WirelessHART*, and Profibus DP devices.

The DeltaV system passes field device data through the controller to the AMS Device Manager system without the need for extra hardware or wiring to provide a comprehensive asset management solution.

### Ovation®

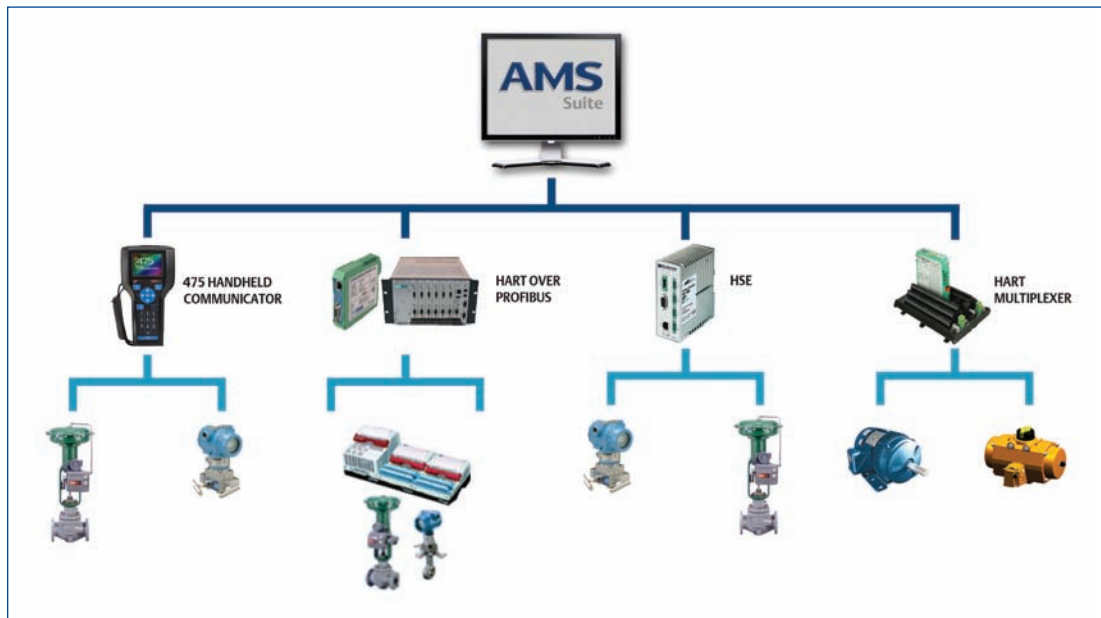
AMS Device Manager with Ovation provides a seamless interface with HART, FOUNDATION fieldbus, and *WirelessHART* protocols, allowing you easy access to smart device diagnostics.

### RS3™

AMS Device Manager accesses HART data already available to your RS3 system, passing field data to your AMS Device Manager network.

### PROVOX®

The PROVOX system allows you to access the predictive diagnostics of your intelligent field devices through AMS Device Manager, delivering dependable control solutions for both continuous process and batch industries.



*AMS Device Manager supports a variety of interfaces to make it easy to access your device diagnostics.*

### **Handheld Communicator Interface**

The Handheld Communicator Interface enables you to transfer HART device configuration information and synchronize information between your AMS Device Manager database and a 475 Field Communicator, 375 Field Communicator, or 275 HART Communicator.

With this interface, you can easily drag-and-drop configurations to your handheld communicator and upload the information from the device back to AMS Device Manager. From AMS Device Manager, you can print the device configuration data.

The Handheld Communicator Interface makes maintenance scheduling faster and easier. You can also prepare configuration changes in advance, so maintenance activities can be completed more effectively and proactively.

### **HART Multiplexer Interface**

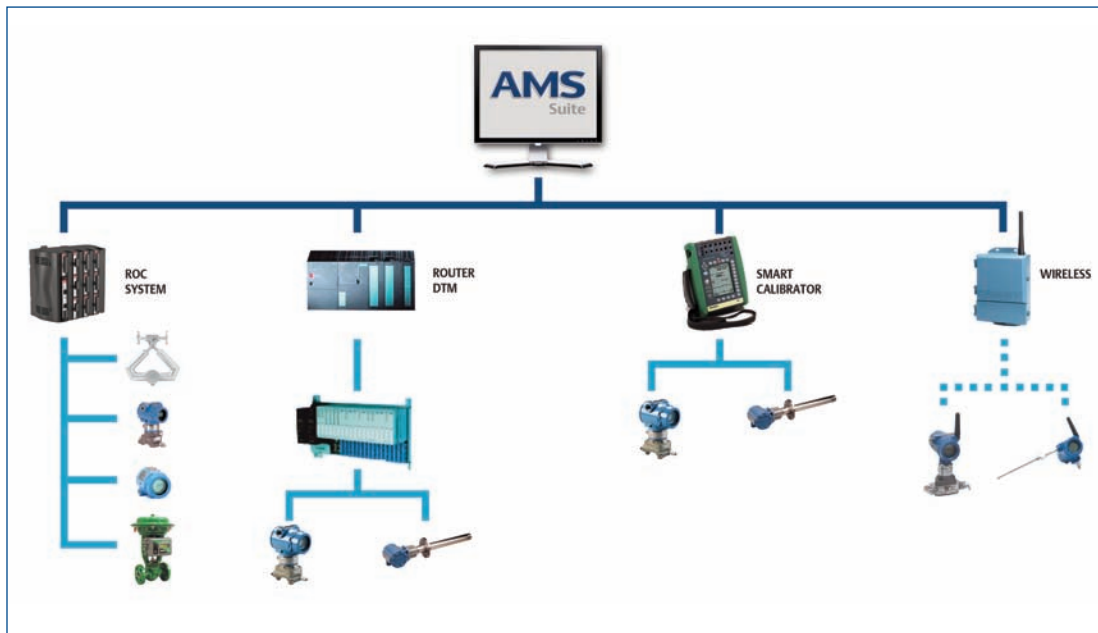
The HART Multiplexer Interface allows you to access real-time HART device diagnostics in AMS Device Manager while using a legacy or third-party host system. Connect AMS Device Manager to a multiplexer to gain fast access to all your HART devices, regardless of the host.

### **HART Over PROFIBUS Interface**

The HART Over PROFIBUS Interface enables you to use AMS Device Manager with HART devices in an online environment with a PROFIBUS network. Gain the full benefit of AMS Device Manager without the additional costs of multiplexer installation and wiring.

### **High Speed Ethernet (HSE) Interface**

The HSE Interface helps you to realize the benefits of FOUNDATION fieldbus devices, even if your current control system does not support fieldbus. Use AMS Device Manager with fieldbus linking devices to configure and diagnose your fieldbus devices from a single application. The HSE Interface also supports connectivity to FOUNDATION fieldbus ROC and Controwave networks.



*Gain access to predictive device diagnostics with AMS Device Manager interfaces.*

### **Kongsberg Maritime Interface**

The Kongsberg Maritime Interface allows you to work with offshore oil and gas applications. Connect AMS Device Manager to the Kongsberg Maritime control system for online connectivity to offshore HART devices. This connectivity delivers real-time predictive device diagnostics to the onshore control room. Eliminate the need for personnel to visit the platform to access device information, saving time and improving safety.

### **Remote Operations Controller (ROC) System Interface**

The ROC System Interface gives you the power to extend AMS Device Manager beyond plant walls to remote sites hundreds or thousands of miles away. Connect AMS Device Manager to a ROC network to view, configure, and diagnose remote HART devices.

### **Router DTM Interface**

The Router DTM Interface provides a communications link between AMS Device Manager and your FDT frame application. It allows you to utilize enhanced EDDL capabilities, including a consistent user interface from manufacturer to manufacturer.

You can then use AMS Device Manager to support device maintenance and reduce the time required to troubleshoot, configure, and calibrate your field devices.

### **Siemens PCS 7 Interface**

The Siemens PCS 7 Interface allows you to connect an AMS Device Manager system to the SIMATIC PCS 7 control system. Transfer data from the SIMATIC PCS 7 system to configure, calibrate, and manage your HART devices with AMS Device Manager.

### **Smart Calibrator Interface**

AMS Device Manager interfaces with documenting calibrators through the Calibration Assistant SNAP-ON application to manage the calibrations of HART, FOUNDATION fieldbus, and conventional devices. Transfer data between your calibrator and AMS Device Manager to eliminate manual records and the possibility of errors. You can automatically check As-Found/As-Left information into AMS Device Manager, allowing you to keep accurate, organized calibration records right at your fingertips.

## Wireless Interface

The Wireless Interface provides easy access to your *WirelessHART* devices via the Smart Wireless Gateway. With the Wireless Interface, you can view predictive diagnostics in devices that were once out of physical or economic reach. Use AMS Device Manager for remote configuration and diagnostics without the additional expense of multiplexer installation and wiring.

## PlantWeb® Services

Get off to a strong start with your technology investment. Use Emerson's PlantWeb Services to ensure you are effectively employing AMS Device Manager. Emerson can help you use the diagnostics from your smart devices to full advantage.

Our experts will:

- Design and execute an optimized maintenance strategy for a new or existing facility.
- Install the applications and complete your initial configurations.
- Implement re-engineered maintenance tasks to optimize your use of AMS Device Manager with your smart devices, while integrating data with your enterprise asset management system to enable measurement of improvement to your facility's bottom line.

Contact your local Emerson sales representative for more information.



## Emerson Process Management

### Asset Optimization Division

12001 Technology Drive  
Eden Prairie, MN 55344 USA  
T 1(952) 828-3633  
F 1(952) 828-3006



AMS Suite: Intelligent Device Manager powers PlantWeb through predictive and proactive maintenance of intelligent field devices to improve availability and performance.

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