

# AMS Device Manager with the Ovation™ Expert Control System

- Lower operating and maintenance costs with predictive diagnostic capabilities
- Reduce startup and commissioning costs with easy device configuration
- Monitor and control intelligent field devices through traditional 4-20 mA and digital device information
- Support any device from a single, integrated platform
- Map secondary device variables to Ovation process points for display, alarms, and reports



Gain increased visibility to asset health with predictive diagnostics in AMS Device Manager.

## AMS Suite Delivers Results

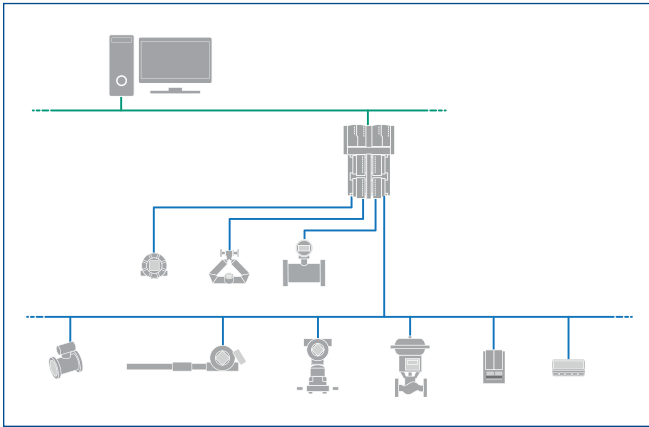
AMS Device Manager, part of Emerson's suite of best-in-class predictive diagnostic software applications, delivers improved availability and reduced startup, commissioning, and maintenance costs for the power generation, water treatment, and wastewater treatment industries.

With AMS Device Manager, the Ovation™ expert control system offers seamless communication with intelligent field devices and bus technologies like HART®, FOUNDATION™ fieldbus, and PROFIBUS to deliver the power of predictive intelligence. AMS Device Manager interfaces with the Ovation system to provide additional diagnostic and monitoring capabilities.

## AMS Device Manager Increases Asset Visibility

AMS Device Manager increases your visibility to predictive diagnostics available in HART, WirelessHART®, FOUNDATION fieldbus, and PROFIBUS DP devices. With AMS Device Manager, you can configure, manage calibration, check status, and maintain documentation of all devices.

AMS Device Manager streamlines maintenance activities for instruments and valves in the plant. It offers online access to asset health, automatically capturing all device maintenance information. The Ovation connection to field devices provides consistent access to information from any HART or FOUNDATION fieldbus device that has a device description (DD) registered with the FieldComm Group.



Using AMS Device Manager with Ovation enables you to access important predictive diagnostics.

AMS Device Manager is powered by a server that provides:

- An interface to HART, WirelessHART, FOUNDATION fieldbus, PROFIBUS DP devices and support for conventional devices
- An asset database that is a secure repository for field device information
- A platform to support SNAP-ON™ applications for increased value

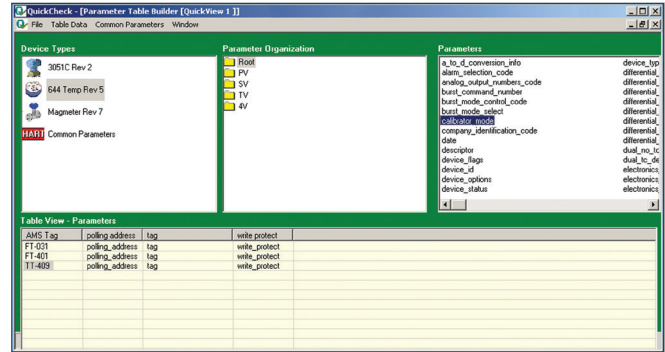
AMS Device Manager provides detailed information about each asset in your plant, directly from the device. It can identify and predict problems as well as provide status information that can significantly reduce troubleshooting time.

You will also experience easier installation and startup, lower maintenance costs and improved asset performance – leading to improved process stability.

## Ovation HART and FOUNDATION fieldbus I/O Interface Modules

Ovation’s HART interface provides a higher degree of field device monitoring for more accurate process control. Once a HART device is connected to Ovation, configuration of traditional 4-20 mA signals and other device parameters is managed through AMS Device Manager.

The Ovation FOUNDATION fieldbus I/O module provides a mechanism for communicating information from fieldbus devices to Ovation for better diagnostics and predictive maintenance.



Check multiple devices at the same time with the QuickCheck SNAP-ON application.

PROFIBUS DP devices connected to Ovation via the PROFIBUS DP module provides access to device information, including historical configurations and alerts.

## SNAP-ON Applications

AMS Device Manager supports a number of SNAP-ON applications to boost the power of your solution. SNAP-ON applications use AMS Device Manager to communicate with devices and provide modular additional functionality to enhance an Ovation system.

The **AMS ValveLink™ SNAP-ON** application allows you to execute advanced valve diagnostic tests, such as valve signature, dynamic error band, drive signal output signal, and step response. These diagnostics help you to zero in on valve problems directly from your computer screen.

Adding the **Calibration Assistant SNAP-ON application** extends your calibration capabilities. Track calibration activities, set up and test calibration procedures, and create calibration routes. It provides easy access to accurate, organized calibration records and automates data entry of calibration information.

The **QuickCheck™ SNAP-ON** application facilitates and accelerates interlock checkout to save time and improve safety. With the QuickCheck SNAP-ON application, you can focus on checking your digital control system’s configuration and logic.

With the **Handheld Communicator Interface**, you can upload, download, and print device configurations from handheld communicators like the 475 and 375 Field Communicators.

## Combined Power

Combine the power of AMS Device Manager with Ovation for more efficient process control and better asset management. You can improve reliability with access to better information – information you can act on. This powerful solution allows you to replace guesswork with informed decisions.

AMS Device Manager with Ovation can help you:

- Provide your maintenance and operations staff with the ability to remotely configure, re-range, and perform diagnostics on your field instruments to improve reliability.
- Avoid unnecessary trips to the field.
- Reduce plant commissioning costs in new installations or after shutdowns.

- Inform your staff of new and recurring problems through device alerts.
- Prevent unauthorized changes to devices with enhanced user security. Ensure only trained, authorized users have access.
- Reduce unnecessary instrument maintenance by remotely assessing the condition of a field device.
- Optimize calibration activities by tracking device accuracy and calibration scheduling.

This winning combination will increase your overall profitability by reducing maintenance costs, limiting process variability, and improving plant availability.

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