

Improve Operating Efficiency and Profitability

- *View overall plant health with consolidated asset data in a single system*
- *Improve operating efficiency and profitability*
- *Maximize value of already-implemented technology*
- *Integrate company information, processes, prioritization, and service data*
- *Incorporate process data and asset information from third-party software applications*
- *Create meaningful reports that highlight asset performance*



View a snapshot of specific areas of your plan for greater understanding of performance.

Take Ownership of Your Enterprise and Drive Improvements

Imagine viewing the status of instruments and valves controlling your boilers, the health of a pump and motor train circulating the effluent, and the overall performance of the entire boiler. Now imagine having this same visibility to all critical production assets across your entire plant or multiple plants – whether local or global.

In today's ever-changing business climate, maintenance and operations departments are asked to do more with less.

Therefore, it is critical that manufacturers take full advantage of production assets and maximize the value of their investment. Plants make money when their assets operate properly, so performance diagnostics are critical.

AMS Suite: Asset Portal securely collects, consolidates, analyzes, and distributes valuable asset information to people who need it. AMS Asset Portal empowers you to drive improvements in your operation no matter where your production assets are located.



Improve operations and maintenance efficiency by giving the right people the right information for confident decision-making.

Improve Operating Efficiency and Profitability

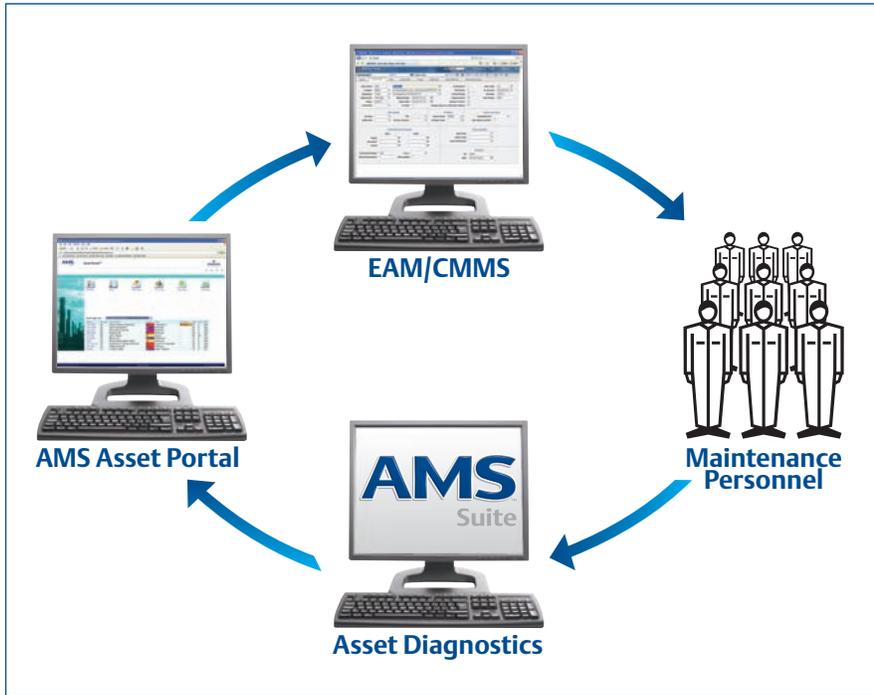
Responding to day-to-day operations challenges can distract you from making improvements in your work processes. With AMS Asset Portal, you have the tools to keep your operational expenditures in check while extracting the greatest possible performance from your operation—both plant and people.

AMS Asset Portal uses the power of predictive intelligence to improve plant performance by delivering accurate, real-time data

to aid decision-making. AMS Asset Portal accesses and integrates data from the thousands of instruments and other assets throughout your plant. You see not only process variables, but also a wealth of information on process and equipment health and performance.

AMS Asset Portal's analysis and notification of potential problems lets you predict, detect, and correct conditions that can lead to equipment failure or process upset – before they result in unplanned downtime.

Even if equipment problems don't cause unexpected downtime, you will still have planned downtime for maintenance or repairs. AMS Asset Portal can shorten planned shutdowns by allowing you to know in advance which equipment needs attention and which does not, avoiding unnecessary work and prolonged downtime.



Alerts from your critical assets drive work through your EAM/CMMS system.

Use Information to Drive Work

Take the guesswork out of work orders and focus on assets that are most critical to your operation with the AMS Asset Portal Work Notification capability. Use diagnostic information coming from smart assets to drive work notifications to your EAM/CMMS system.

You can build rules and policies to drive smart work practices based on alerts and events generated in the field. The rules and policy engine in AMS Asset Portal will only pass the alerts and events that meet your specified criteria, streamlining maintenance practices and resources.

Create Meaningful Reports

Capturing information and tracking how well assets are performing over time gives you a distinct advantage in improving overall maintenance efficiency. With the AMS Asset Portal reporting capability, you can take a closer look on how well your assets are performing. Create reports for problematic assets, trend alerts from the plant level down to the individual asset, and highlight alerts that your highest priority assets are generating.

Successful Implementation Maximizes Value

Experience shows that in order to get the full value from AMS Asset Portal, you must incorporate it in your daily work processes.

Emerson's PlantWeb® Services ensure successful implementation of AMS Asset Portal to deliver the maximum benefits from your investment.

Beyond helping you extract full value from AMS Asset Portal, a PlantWeb Services engagement will generate abundant details on your production assets. Through AMS Asset Portal, this information is organized and used to support decision-making throughout your enterprise. No matter what is causing production losses, PlantWeb Services experts have the experience and resources to correct the problems and give you insight and work practices to prevent them in the future.



AMS Suite is a family of best-in-class diagnostic software applications that enable you to detect plant asset problems before they occur.

Real-Time Information from AMS Suite, EAM Systems, and OPC Interfaces

AMS Asset Portal provides secure access to mechanical equipment, process equipment, instruments, and valves and consolidates the diagnostic information in a web browser. This single window presents information from AMS Suite, as well as asset information from third-party sources.

AMS Suite: Intelligent Device Manager

AMS Device Manager provides a single application for predictive diagnostics, documentation, calibration management, and device configuration for smart field instruments and digital valve controllers. AMS Device Manager leverages the full capabilities of

intelligent FOUNDATION™ fieldbus, HART®, and WirelessHART™ devices, including embedded data trending, charting, and graphical display capabilities provided by enhanced EDDL technology.

Using AMS Device Manager gives you better visibility into the devices in your plant, resulting in faster startup and increased availability through more cost-effective maintenance and improved device performance. Payoffs include easier installation and startup, lower maintenance costs, and improved device performance – all with a direct impact on your bottom line.

AMS Suite: Machinery Health® Manager

Combining predictive maintenance techniques with comprehensive analysis tools, AMS Machinery

Manager allows for easy and accurate assessment of the machinery health in your facility. AMS Machinery Manager supports online and route-based equipment monitoring, data management, and analysis by incorporating multiple diagnostic technologies (vibration, infrared thermography, oil analysis, ultrasonics, and motor diagnostics) into a common database for comprehensive analysis of machinery degradation symptoms.

With AMS Machinery Manager, you can document, trend, and communicate all details of machinery health to gauge accurate asset condition, advise appropriate actions, prioritize, and plan daily maintenance activities.



With AMS Asset Portal, you can access an enterprise-wide view of your asset health.

AMS Suite: Global Performance Advisor

AMS Performance Advisor provides real-time access to equipment performance diagnostics. Using industry-standard ASME PTC performance calculation techniques, AMS Performance Advisor determines thermodynamic-based equipment performance.

With information from AMS Performance Advisor on current operating performance, you can be proactive with your maintenance planning. Early detection of degrading equipment performance allows you to make critical production decisions to reduce downtime and protect equipment health.

AMS Suite: Equipment Performance Monitor

Based on rigorous thermodynamic model-based technology using data reconciliation, validation, and parameter estimation calculations, AMS Performance Monitor provides easy and cost-effective access to current equipment performance data, customized reports, and graphical representations via a standard web browser, without the need for special client-side software.

AMS Performance Monitor is a service-based application that allows you to achieve peak performance of turbo, rotating and other critical equipment. AMS Performance Monitor allows operators to move from routine to

targeted predictive and proactive maintenance programs, run their process more efficiently, track operating performance against targets, schedule maintenance activities, troubleshoot problems remotely, and determine the root cause of equipment inefficiencies.

3rd Party Data Sources

AMS Asset Portal is designed to be open and accessible. To provide connectivity to third-party applications, you can supply the AMS Asset Portal Data Source Developer's Tool Kit to a third-party vendor who can build a data source for AMS Asset Portal. You benefit by having a single application for all your data.

OPC Connectivity

OPC is a common way to access information throughout your enterprise. AMS Asset Portal uses OPC DA version 2 and version 3 to bring instrument and valve data from AMS Device Manager, information from historians, and real-time process data from distributed controls systems, programmable logic controllers, and other applications using these servers. This information can be used to further define assets to get more information about their health and how they affect your process.

For more information about AMS Asset Portal, contact your local sales representative.

Requirements and Recommendations

The minimum requirements to run AMS Asset Portal are:

Type	Minimum	Recommended
Server	2 GHz Pentium-compatible CPU	3.2 GHz Pentium-compatible CPU
	512 MB memory	2 GB memory
	20 GB free hard disk	160 GB free hard disk
	Internet Information Services 6.0	Internet Information Services 6.0
	Internet Explorer 6.0, SP1, Internet Explorer 7.0 JavaScript and Cookies enabled	Internet Explorer 6.0, SP1, Internet Explorer 7.0 JavaScript and Cookies enabled
	Video Generator: 1024 x 768, 256 color VGA	Video Generator: 1024 x 768, 256 color VGA
Client	Internet Explorer 6.0, SP1, Internet Explorer 7.0 JavaScript and Cookies enabled	Internet Explorer 6.0, SP1, Internet Explorer 7.0 JavaScript and Cookies enabled

Specifications

Operating Systems (Based on number of concurrent users)

- For 1 to 4 users:
Windows XP Pro, SP2
- For 5 or more users:
Windows Server 2003,
Standard Release 2, SP2

SQL Server

- Microsoft SQL Server
2005 Standard Edition Service Pack 2

Coexistence With Other Applications

- For optimal performance,
we recommend AMS Asset Portal is
installed on a dedicated computer.

MDAC

- 2.7

.Net Framework

- V1.1.4322
- V2.0.50727

Data Sources

- AMS Device Manager, Version 7.x, 8.x, 9.x, 10.x
- AMS Machinery Manager, Version 4.90, 5.x
- AMS Performance Advisor
- amsperformancemonitor.com

Ordering Information

INITIAL PURCHASE

Model Number	Product Description
AW8000ENCSD3	AMS Asset Portal; English; 2 Clients; 3 Data Sources

UPGRADE PURCHASE

Model Number	Product Description
Additional Clients	
AW8000ENCSD3	1 Additional AMS Asset Portal Client
AW8000ENCSD5	5 Additional AMS Asset Portal Clients
Additional Data Sources	
AW8000ENDSD3	1 Additional AMS Asset Portal Data Source
AW8000ENDSD5	5 Additional AMS Asset Portal Data Sources

FOUNDATION SUPPORT PURCHASE

Model Number	Product Description
Standard Support	
AW8040STDS3	AMS Asset Portal Standard Foundation Support; Up to 5 Data Sources
AW8040STDS10	AMS Asset Portal Standard Foundation Support; Up to 10 Data Sources
AW8040STDS15	AMS Asset Portal Standard Foundation Support; Up to 15 Data Sources
AW8040STDS20	AMS Asset Portal Standard Foundation Support; Up to 20 Data Sources

LICENSABLE OPTION

Model Number	Product Description
AW8000OPCM1DC01	OPC Connectivity License

UPGRADE FOR AMS ASSET PORTAL FOR WEB CLIENT USE

Model Number	Product Description
AW8000UPGWEB	Web Portal Upgrade to AMS Asset Portal
AW8000UPGWEB5	Web Portal Upgrade with 5 Clients to AMS Asset Portal
AW8000UPGWEB10	Web Portal Upgrade with 10 Clients to AMS Asset Portal

* For Work Notification Service, consult your local sales representative or email AskAO@Emerson.com.

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AMS Suite: Asset Portal powers PlantWeb by providing reporting, analysis and decision support on production assets to improve availability and performance.