



Instrument management software from MTL

AMS



With annual spending on maintaining existing plant being five times the expenditure on new plant, and with one third of all maintenance costs wasted due to unnecessary or improperly performed maintenance procedures, there are huge opportunities for improving plant profitability through the use of effective maintenance management tools. In the process industry effective management of instrumentation assets is a key requirement for maximising profits. AMS Device Manager is a key element in achieving this.

AMS Device Manager can be used with the MTL4840 HART[®] connection system, and with any control system, to give precise live information about every HART transmitter and valve positioner in a plant. Imagine—a software application which can identify problems with instruments; an application which predicts upcoming problems; an application which offers you access to device status information that can reduce troubleshooting time by three hours or more per device.

Avoid Unplanned Shutdowns. Online access to device diagnostics allows you to continually monitor devices and to know immediately if there is a problem. Intercept problems before they cause major plant upsets.

"Without AMS, maintenance would have shut down the process for four or five hours to replace a valve that was in good working condition."

– **Goldschmidt Chemical Corporation**

The Power of Diagnostics. AMS ValveLink delivers exclusive, in-service Performance Diagnostics for the best predictive valve diagnostics available.

"There is no question that diagnostic capabilities, like the Alert Monitor, saved us considerable time and money compared to traditional methods. Emerson has some of the best tools in the industry to improve diagnostics, increase system availability, and lower production costs."

– **Cargill**

Streamline Calibrations. AMS Device Manager allows you to easily move information between your database and your documenting calibrator. Calibrator results are archived along with all maintenance information for each device, helping you comply with regulatory agencies.

"Through AMS the frequency of some calibration routines has been halved. AMS paid for itself in just two days of production following early startup."

– **GlaxoSmithKline**

Attain Superior Performance. You have the ability to check a device status, configure, re-range, and perform diagnostics right from a PC without going into the field.

"Emerson's AMS works with predictive diagnostics in the field devices to give us increased performance from our process....of approximately a 1% product improvement or an additional 600 barrels/day."

– **Shell Refining**

Deliver an Audit-Ready Plant. Documentation time is dramatically reduced. All information for each device is stored by the AMS Device Manager and documentation is updated automatically.

"Auditors are impressed when we go to the computer and print out a detailed report showing scheduled calibration dates, when last calibrated, and 'as found/as left' information. Everything is very well organized, and the accuracy of these reports has never been questioned."

– **American Soda**

AMS Suite: Intelligent Device Manager is just one of the integrated family of applications in the AMS Suite for predictive maintenance, performance monitoring and economic optimization.

HART[®] is a registered trademark of The HART Communication Foundation.



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