

# INSTRUMENT MANAGEMENT SOFTWARE

Powerful instrument management software is being widely adopted to provide detailed information for a broad range of HART® field devices. The MTL HART® connection provides on-line access from a PC to the HART® field device for configuration and calibration as well as for diagnostics for monitoring device performance. HART® devices may be selected for regular status monitoring and an alert issued if the status changes.

Instrument management software is also used with the HART® connection to automate the record keeping required for quality assurance and regulatory compliance. This provides the following benefits:

- ◆ Reduced commissioning time and costs.
- ◆ Status monitoring to reduce process downtime.
- ◆ Field device diagnostics to reduce loop maintenance costs.

In addition, MTL's HART® connection system supports dedicated software packages for valve positioners to optimise valve maintenance schedules. Among the software currently supported by MTL's HART® connection systems are:

|                 |                                   |
|-----------------|-----------------------------------|
| Cornerstone     | Applied System Technologies       |
| AMS             | Emerson Process Management        |
| Valvue          | Masoneilan                        |
| SoftTools       | Flowserve                         |
| HART OPC Server | HART Communication Foundation     |
| PDM             | Siemens                           |
| PRM             | Yokogawa                          |
| Field Care      | Metso Automation/Endress & Hauser |
| Smart Vision*   | ABB                               |
| ValveLink       | Emerson Process Management        |

\*Interface under development

**MTL is continually adding to the list of software supported.**



**Contact your local MTL office for details.**

The HART® OPC Server is a software application that provides a method for accessing the real time process and diagnostic information available in HART® field instrumentation. HART® capable instruments can be directly connected to the PC serial port through commonly available RS-232 interfaces. Systems of HART® devices can be connected through MTL multiplexers and I/O systems. The server is an OPC compliant server that can provide many common data items using standard OPC client applications (i.e. Wonderware, Fix, etc.).



**SoftTools** PC-based software allows the operator to run diagnostics and signatures, calibrate, display parameters, log data, set alarms and perform many other functions in a familiar Windows environment with on-line help files. Data transfer with the SoftTools software is substantially faster than other current HART® - compatible systems, resulting in a dramatic speed increase in configuration and diagnostic signature acquisition.



**Valvue** is the Windows-based diagnostic software for communication with Masoneilan's Smart Valve Interface. This easy to learn software with context sensitive help screens provides unparalleled connection to the field and enhanced features and functions.



### **FieldCare - The Open Approach to asset management**

FieldCare is an open solution for configuration and condition monitoring, achieved through support of the multi vendor FDT/DTM standard. It allows for Multi Communication Support through FDT and will support all communication protocols and nested communication. Hence it allows the user to select 'Best in Class' devices, with full software support, in a common tool. With support for FDT across many system vendors the package allows for simplified system integration.

The package provides:

- ◆ Operation of third-party devices using either vendor or generic device type managers (DTMs)
- ◆ Support for HART, PROFIBUS and Foundation Fieldbus devices
- ◆ Network configuration, device navigation and management of DTMs
- ◆ Tracking of user changes
- ◆ User management

The maintenance package includes in addition:

- ◆ Asset management based on easy Condition monitoring
- ◆ Alarm notification
- ◆ Open database connectivity to other software

So FieldCare aims to provide the best possible support during the commissioning, operation and maintenance of your plant.

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Cornerstone® is a registered trademark of Applied System Technologies Inc  
Windows® is a registered trademark of Microsoft Corporation  
Masoneilan® is a registered trademark of Dresser

