Emerson Expertise

As a global innovator, Emerson has a deep legacy of solving the most complex challenges facing modern life. The two focused business platforms, Automation Solutions and Commercial & Residential Solutions, combine advanced technologies, industry-leading expertise and an insatiable curiosity about the world to create sustainable solutions for the customers. In cooperation with Emerson, Softing Industrial Automation offers interfaces for connecting field devices to AMS Device Manager, in particular the connection of FOUNDATION Fieldbus H1 field devices and HART devices via PROFIBUS DP. AMS Device Manager helps customers implement digital transformation initiatives to meet business goals, such as reducing maintenance cost and increasing productivity. Softing Industrial is Silver DeltaV™ Alliance Member.
Extend Access to Field Device Data via Emerson AMS Device Manager

in Allen-Bradley and Schneider Electric Control Systems

Customer challenges

▪ Using existing IT and OT infrastructures to access devices data
▪ Avoiding maintenance and installation of hardware
▪ Accessing HART devices via AMS Device Manager and open HART-IP protocol

Solution

▪ Installing easy to deploy software-based solution with the Virtual Machine deliverable
▪ Using included web based software for configuration of HART IO modules
▪ Providing alerts and health information of connected HART devices

BENEFITS

▪ PLC Independent access to PROFIBUS DP networks and HART devices without multiplexer
▪ Compatible with products of leading device manufacturers
▪ Efficiently plan maintenance activities based on up-to-date health and calibration status with Emerson AMS Device Manager
Extend Access to Field Device Data via Emerson AMS Device Manager

in FOUNDATION Fieldbus environments

Customer challenges
- Doing asset management of FOUNDATION Fieldbus devices in 3rd party environments via AMS Device Manager
- Interface for accessing asset and process data

Solution
- Connecting FOUNDATION Fieldbus devices to AMS Device Manager in 3rd party environment
- Enabling single point of access to existing Foundation fieldbus segments
- Collecting asset data for predictive maintenance and monitoring

BENEFITS
- Sustain operational efficiency: No downtime during implementation
- Efficiently plan maintenance activities based on up-to-date device health and diagnostic status with AMS Device Manager
- Improve reliability by supporting fast device redundancy switch-over
Simplify Mobile Access and Bench Testing via Emerson AMS Device Configurator in FOUNDATION Fieldbus environments

**Customer challenges**
- Mobile interface to access FOUNDATION Fieldbus device parameters with Emerson configuration tools
- The need of an external power supply to power up the field device

**Solution**
- Allowing users to easily perform configuration tasks of FOUNDATION Fieldbus devices via AMS Device Configurator
- Collecting data for diagnostics and condition monitoring of FOUNDATION Fieldbus devices
- Draining power from USB port to power up Foundation Fieldbus devices

**BENEFITS**
- Simplify mobile access to FOUNDATION Fieldbus devices
- Eliminate the need for additional power supply with unlimited run time
- Future-proof design: Support state-of-art FDI CommServer
Customer challenges

- Saving costs and time by avoiding installation of HART multiplexer
- Re-using existing PROFIBUS segments without requiring modification
- Enabling single access point to PROFIBUS DP segment and HART devices from AMS Device Manager

Solution

- Connecting HART devices to AMS Device Manager over HART compatible Remote I/O
- Enabling centralized and time-saving asset management of HART field devices using HART IP
- Providing alerts and health information of connected HART devices

BENEFITS

- PLC Independent access to PROFIBUS DP networks and HART devices without multiplexer
- Compatible with products of leading device manufacturers
- Efficiently plan maintenance activities based on up-to-date health and calibration status with Emerson AMS Device Manager
Softing Expertise

The digital data exchange based on industrial communication standards is a core competence of Softing. From an early stage, the focus was on technologies with a particular relevance for process automation. Softing’s experts contributed substantially to the specification of e.g. PROFIBUS and Foundation Fieldbus.

Even today, Softing is actively involved in the technical workgroups of the Fieldcomm Group, the PROFIBUS & PROFINET International and the OPC Foundation to be close to technological developments and to help shape them. Based on this technological know-how and the competence for Ex-capable hardware Softing offers solutions for embedding digital communications technologies. In this area Softing is a strategic partner to well-known international equipment and system manufacturers.
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https://industrial.softing.com