

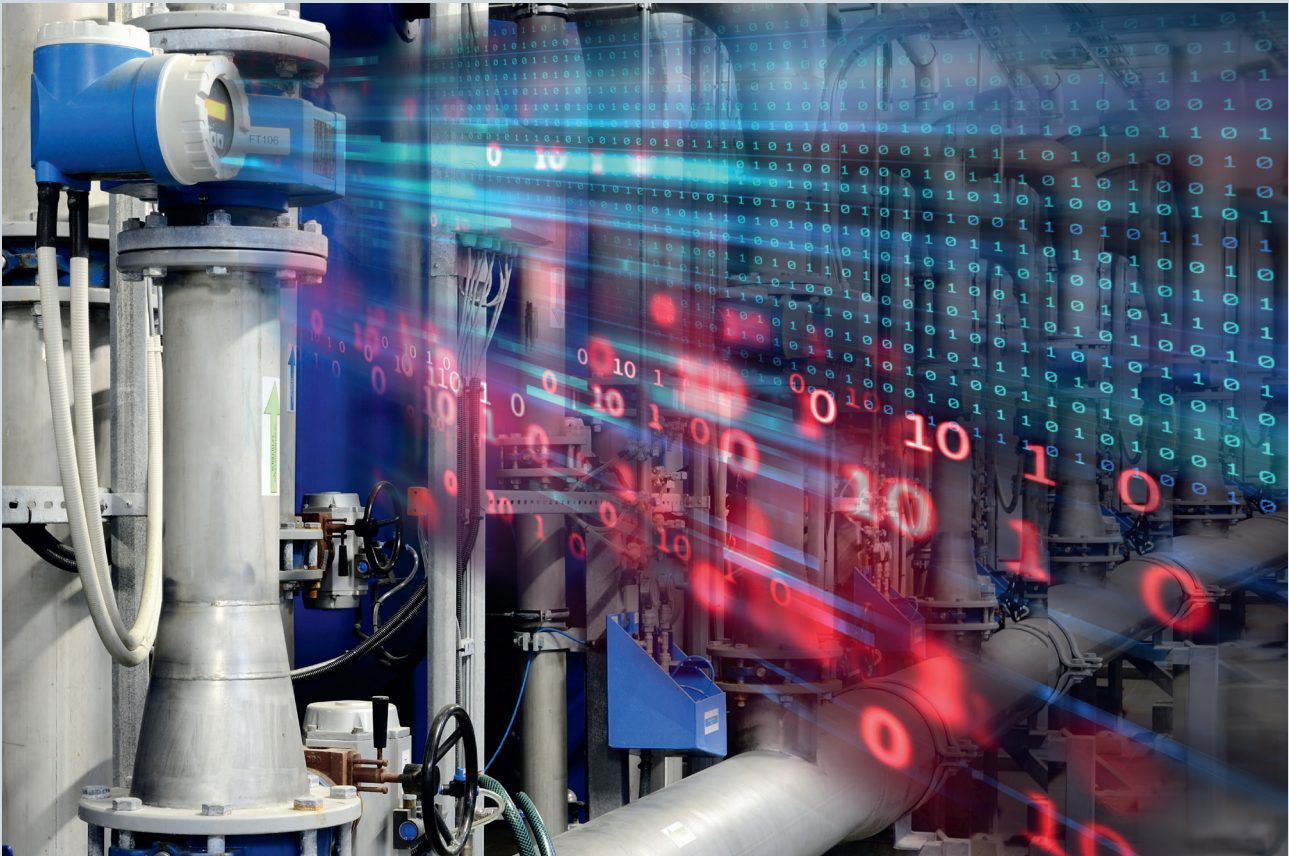
Connectivity Solutions



Industrial



SOFTING EXPERTISE



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

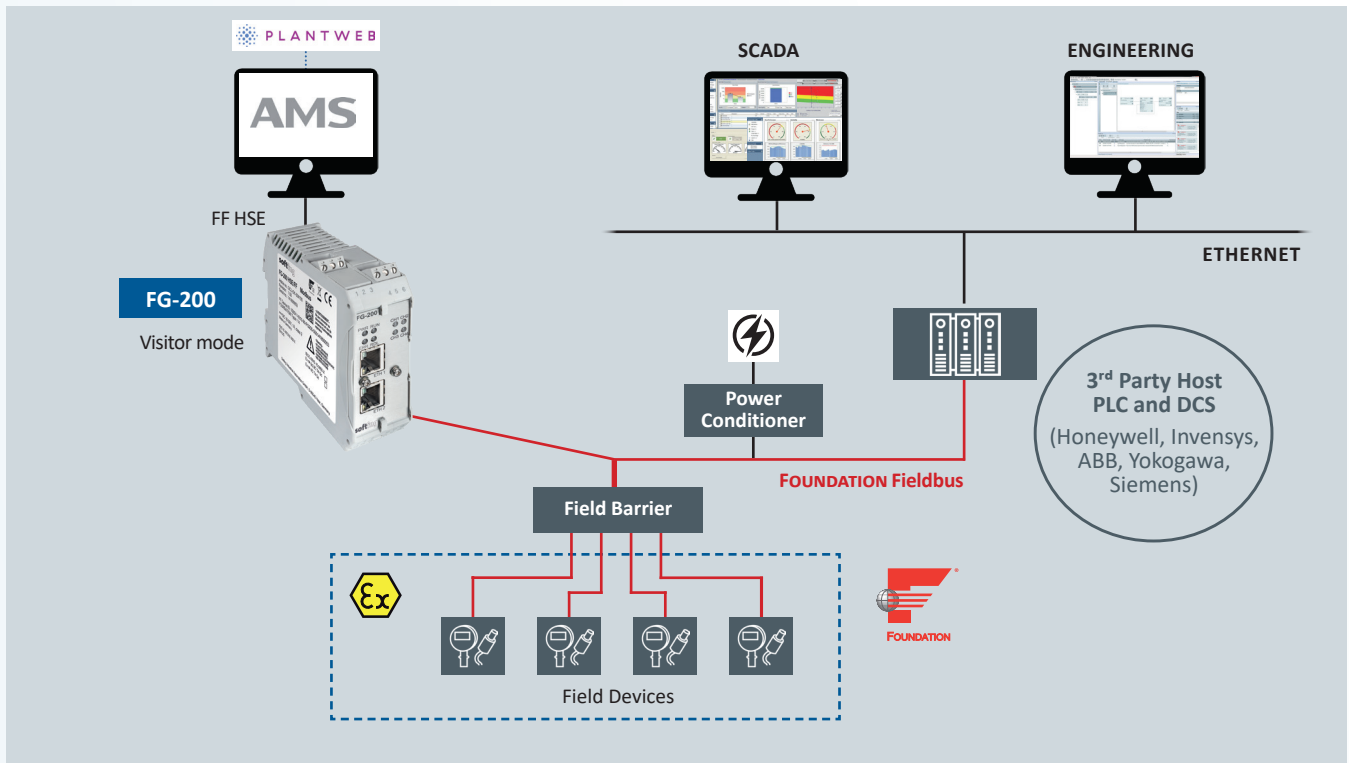
Even today, Softing is actively involved in the technical workgroups of the Fieldcomm Group, the PROFIBUS & PROFINET International and the OPC Foundation in order to be close to technological developments and to help shape them.

On the basis of 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 international equipment and system manufacturers. To system integrators and plant operators Softing offers products for the integration and configuration of devices and networks.

FG-200

Asset Management of FOUNDATION Fieldbus field devices with Emerson AMS Device Manager

- Easy Integration into AMS Device Manager System
- Full Parameterization, Configuration and Monitoring Functionality
- Interface for Accessing Asset and Process Data



Efficient Integration of FF Devices into Asset Management System AMS Device Manager

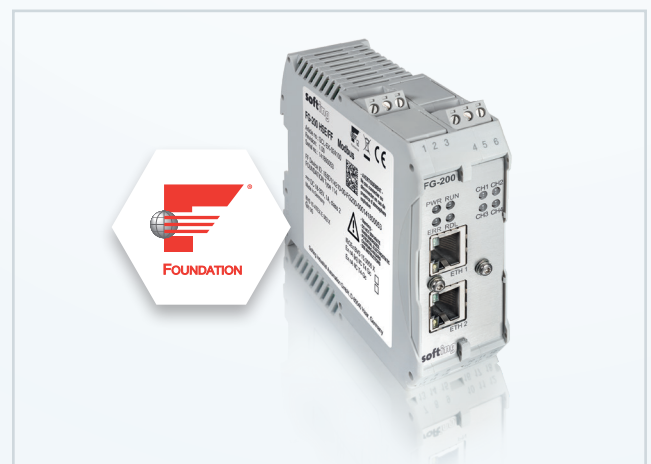
- Support of high-performance FF HSE interface of AMS Device Manager
- Parallel support of up to 4 FF-H1 channels, each for max. 16 field devices
- Visitor mode avoids interferences with running process

Full Parametrization, Configuration and Monitoring Functionality

- Enables configuration of fieldbus networks and monitoring individual field devices
- Improves and facilitates the commissioning of field devices
- Gives maintenance and operations personnel the ability to gather additional data

Data Access for Further Analysis and Asset Management Tasks

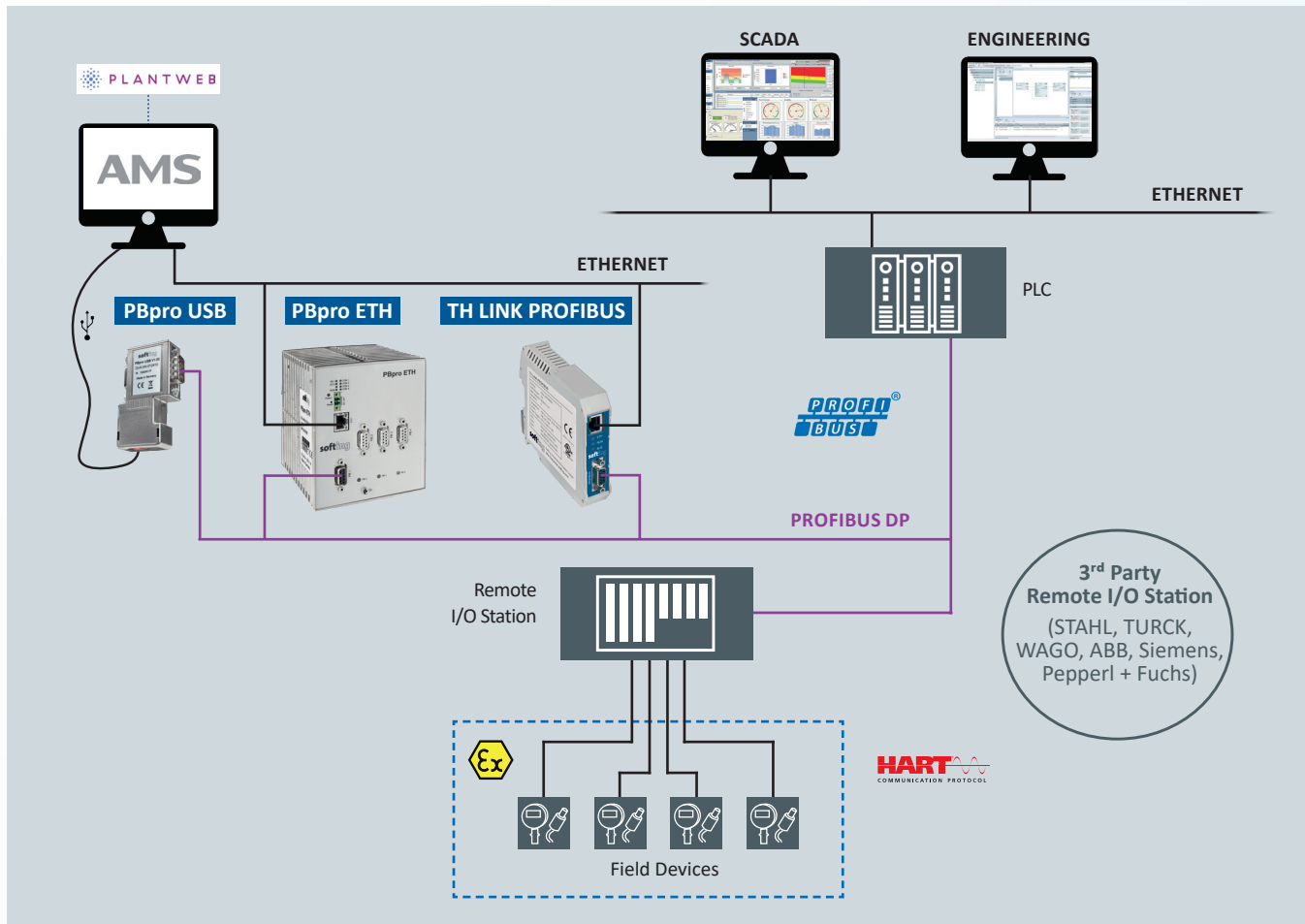
- Collects asset data for predictive maintenance to avoid unwanted shutdown
- Enables access to calibration status of field devices
- Improves reliability by managing asset health



HART over PROFIBUS

Connection and Asset Management of HART devices in AMS Device Manager through Profibus DP

- Easy Integration into AMS Device Manager System
- Full Parametrization, Configuration and Monitoring Functionality
- Advanced Technologies Enable Data Analytics and IIoT Applications



Efficient Integration of HART devices into AMS Device Manager through Profibus DP

- Support of several Profibus DP Remote I/O for HoP application
- Parallel support of up to 4 DP channels
- Passive mode avoiding interference with network behavior

Data Access for Asset Management Tasks

- Collects asset data for predictive maintenance to avoid unwanted shutdown
- Improves reliability by managing asset health
- Enables access to calibration status of field devices

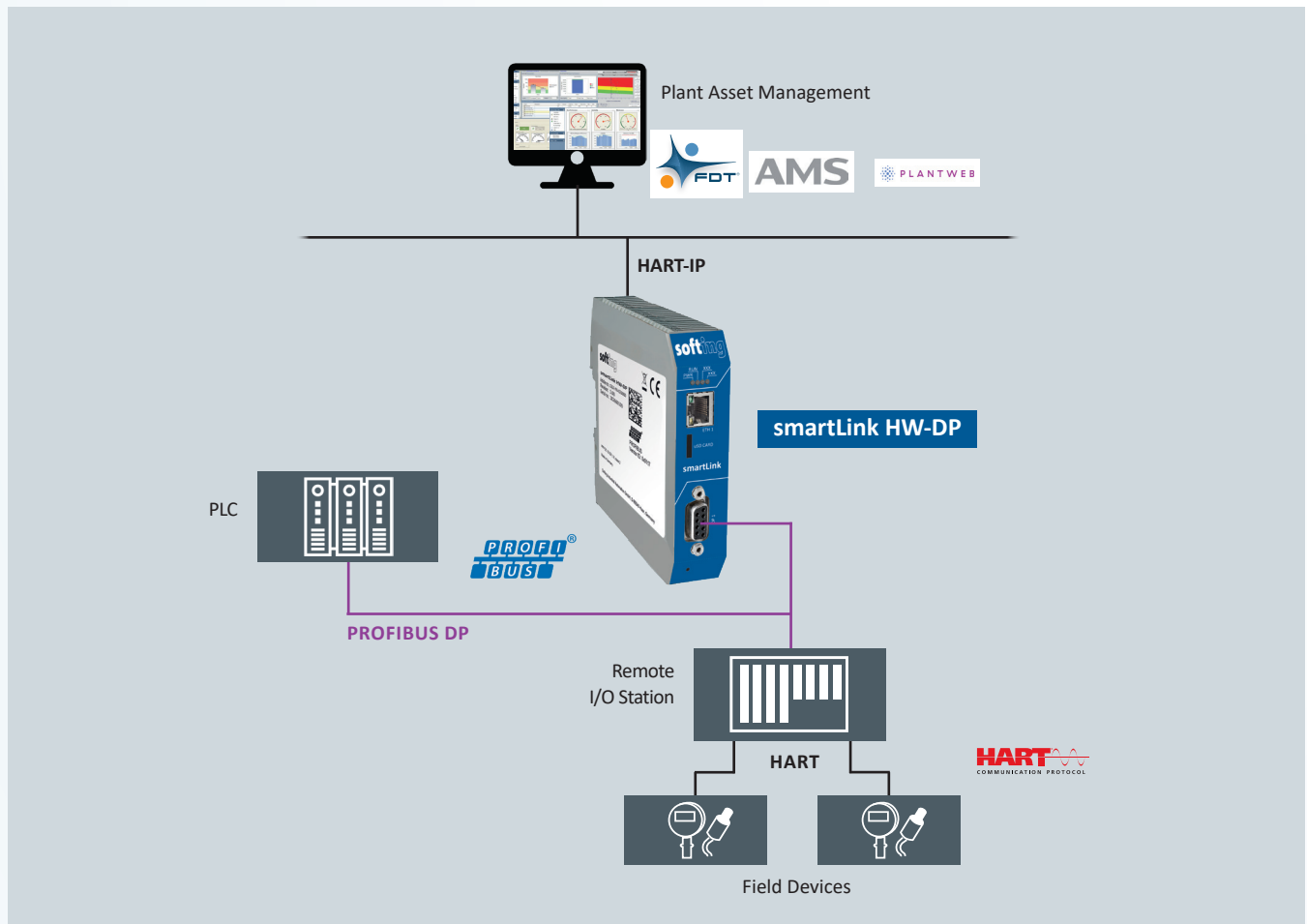
Full Parametrization, Configuration and Monitoring Functionality

- Enables configuration of Fieldbus networks and monitoring individual field devices
- Improves and facilitates the commissioning of HART field devices
- Gives maintenance and operations personnel the ability to gather additional data

smartLink HW-DP

Industry 4.0 connectivity for new and existing PROFIBUS DP networks

- PLC Independent access to PROFIBUS DP networks
- Integration without interference with the operation of existing installations
- Compatible with products of leading device manufacturers



Configuration, Parameterization and Plant Asset Management Using Standard Industry Tools

- Independent of configuration tools
- Centralized and time-saving parameterization of PROFIBUS and HART field devices directly from the control room
- Access to Plant Asset Management applications for field devices configuration based on FDT / DTM and EDDL standards (acyclic master)

Direct Connectivity to PROFIBUS Segments

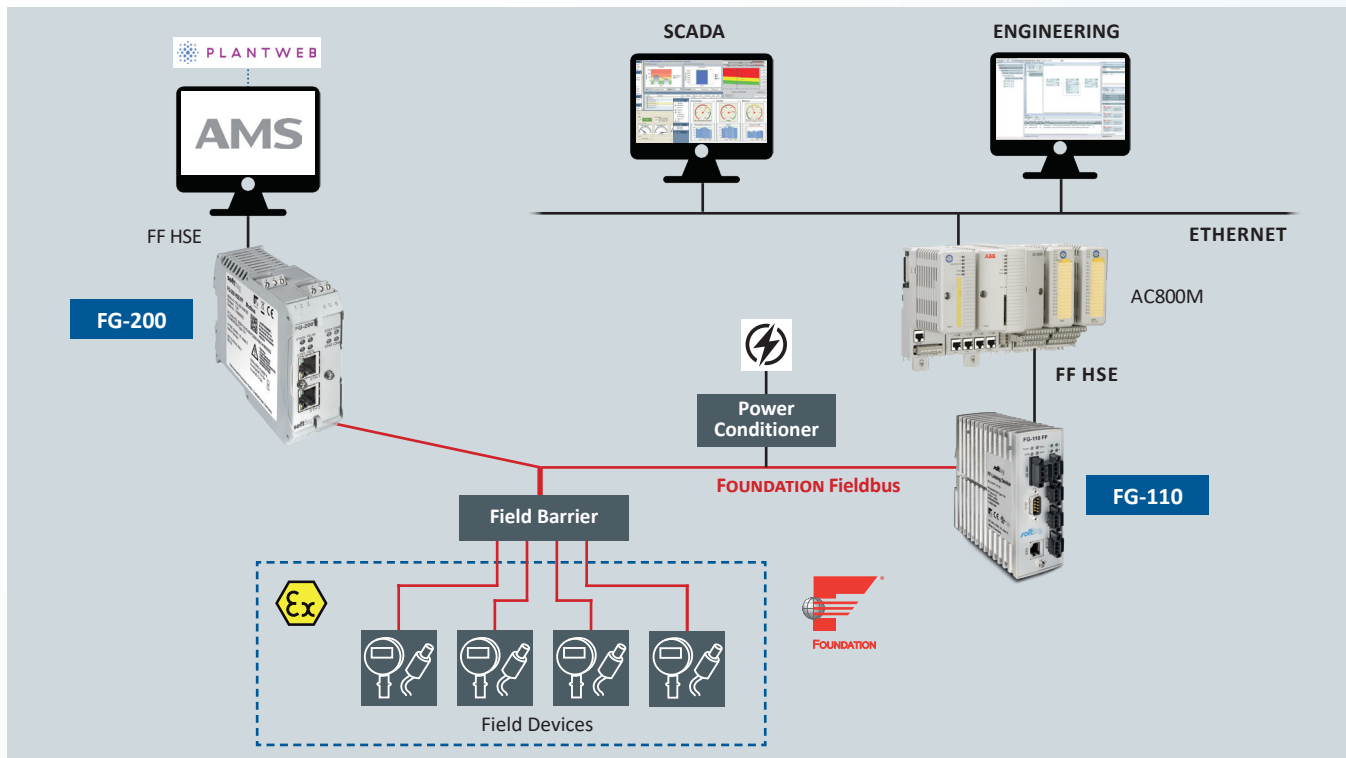
- Single access point to PROFIBUS DP segment from Industrial Ethernet networks
- Acts as PROFIBUS DP master class 2
- Support of one PROFIBUS DP segment

Key Component for Transition to State-of-the-Art Technology

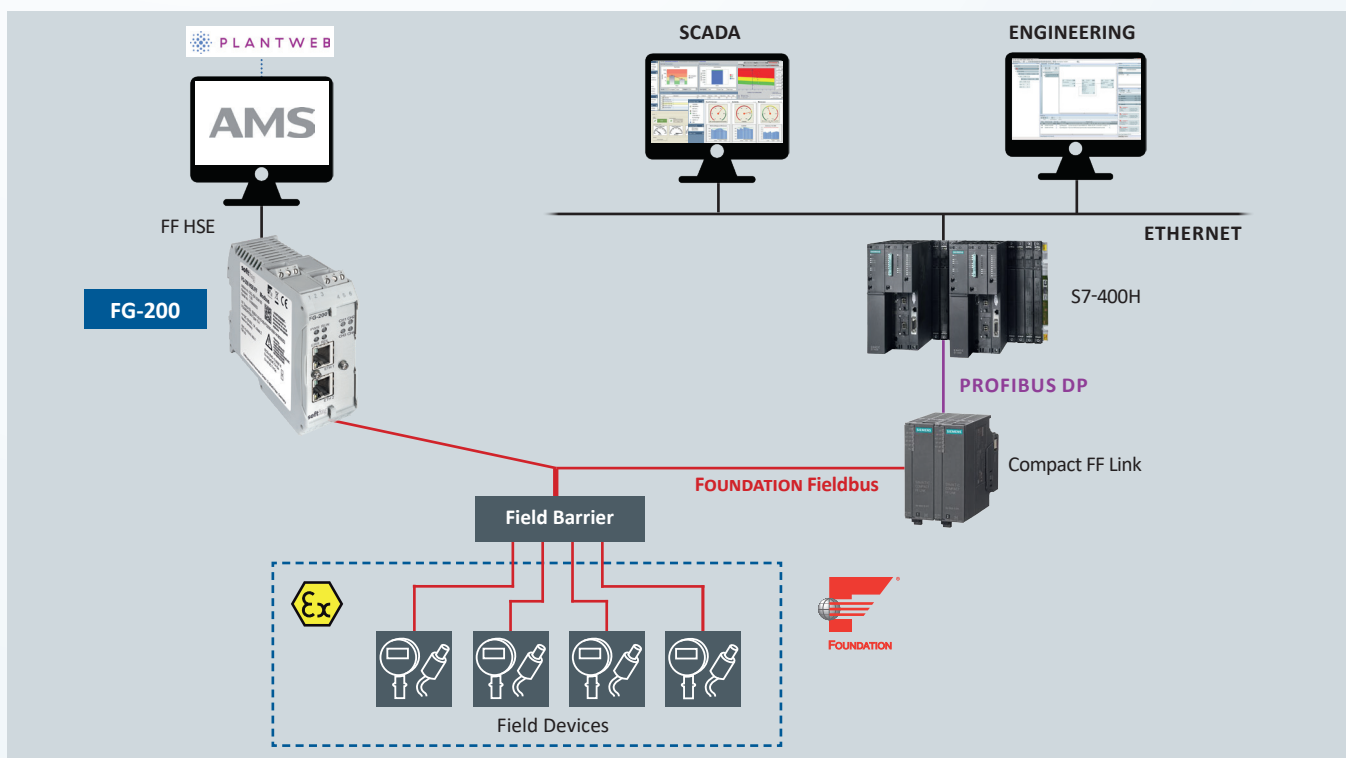
- Re-use of existing PROFIBUS segments without requiring modification
- Access to cyclic and acyclic data via HART-IP

Use Cases in 3rd Party environment for Asset Management

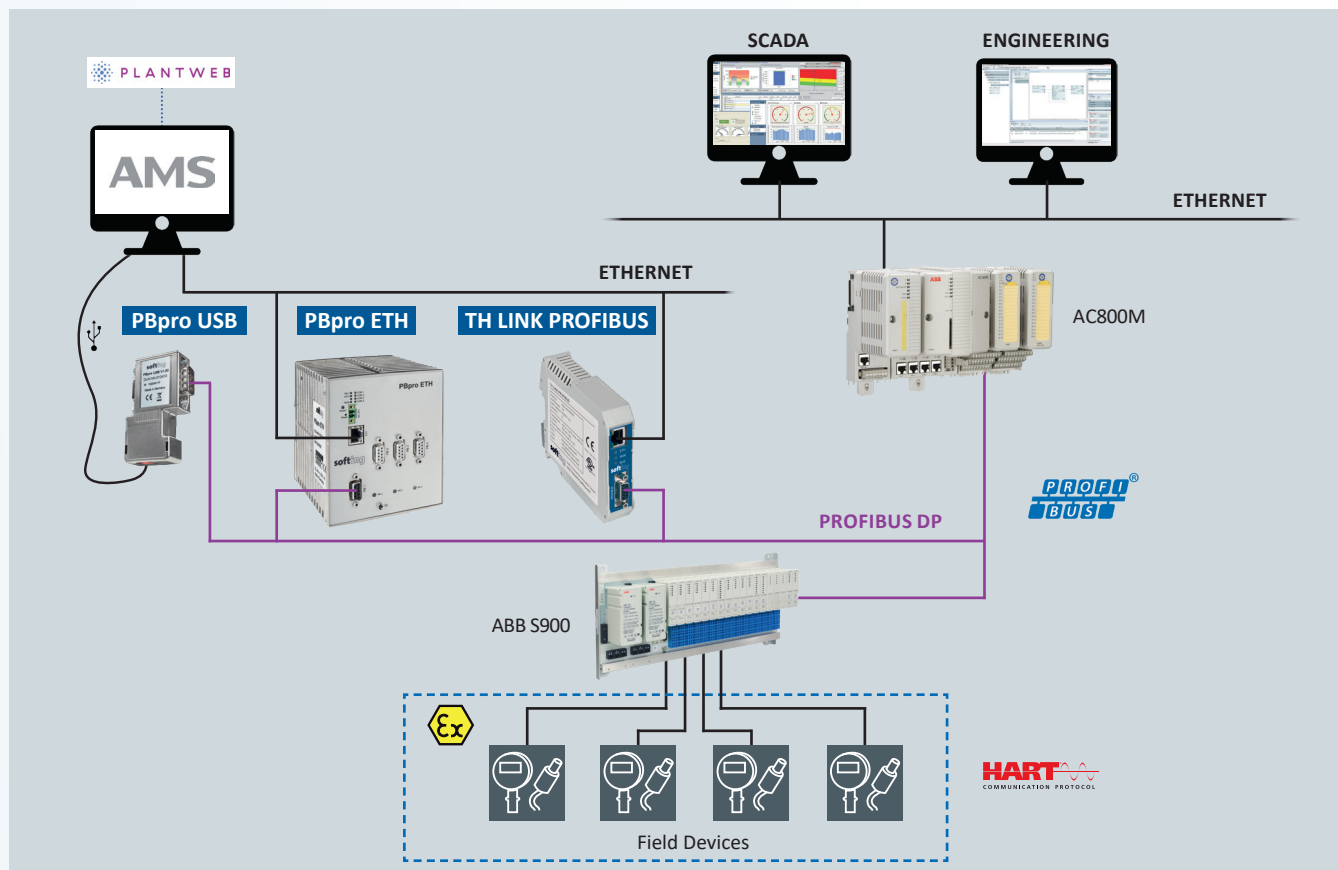
FG-200 for systems with ABB:



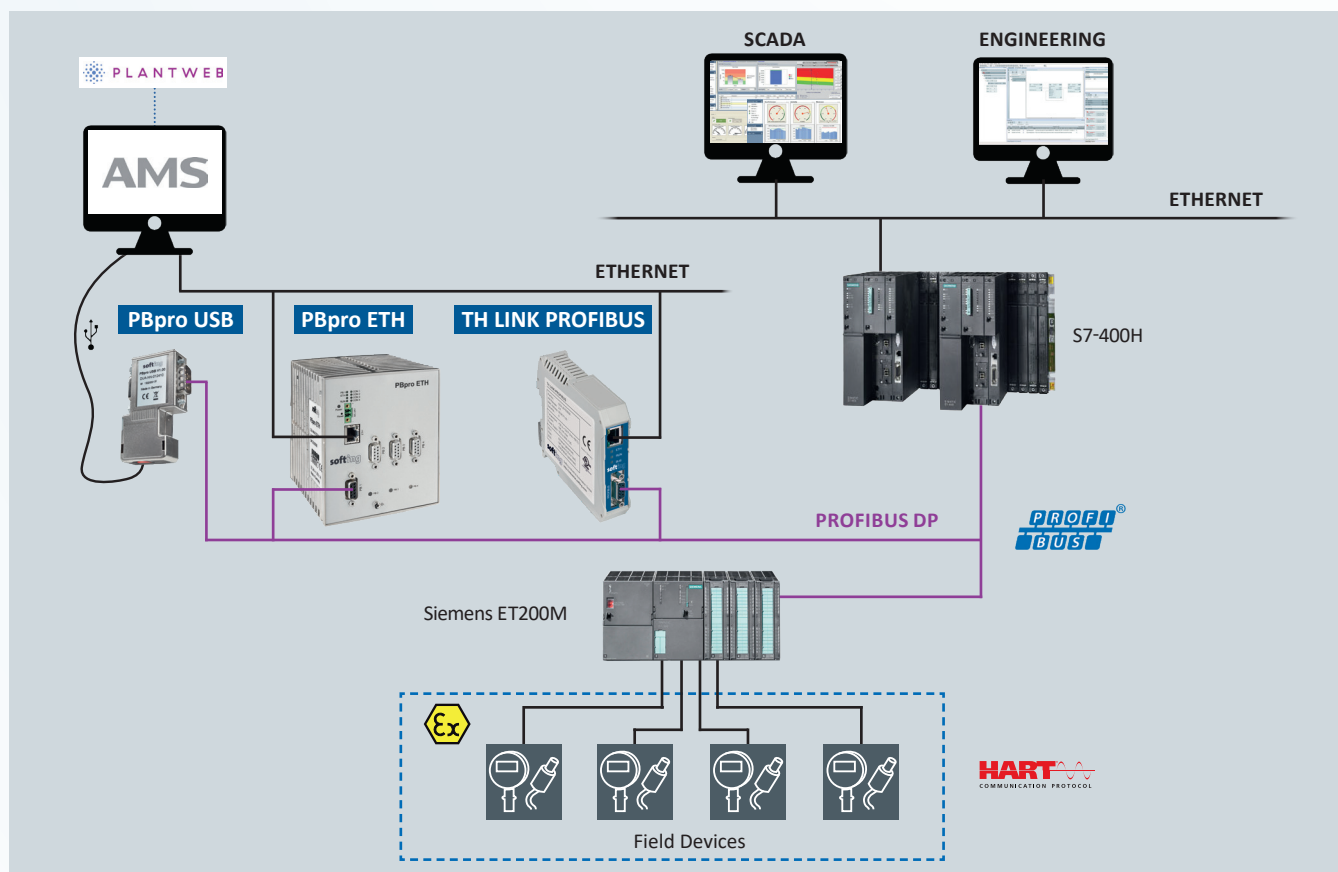
FG-200 for systems with Siemens:



HART over PROFIBUS for systems with ABB:



HART over PROFIBUS for systems with Siemens:



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