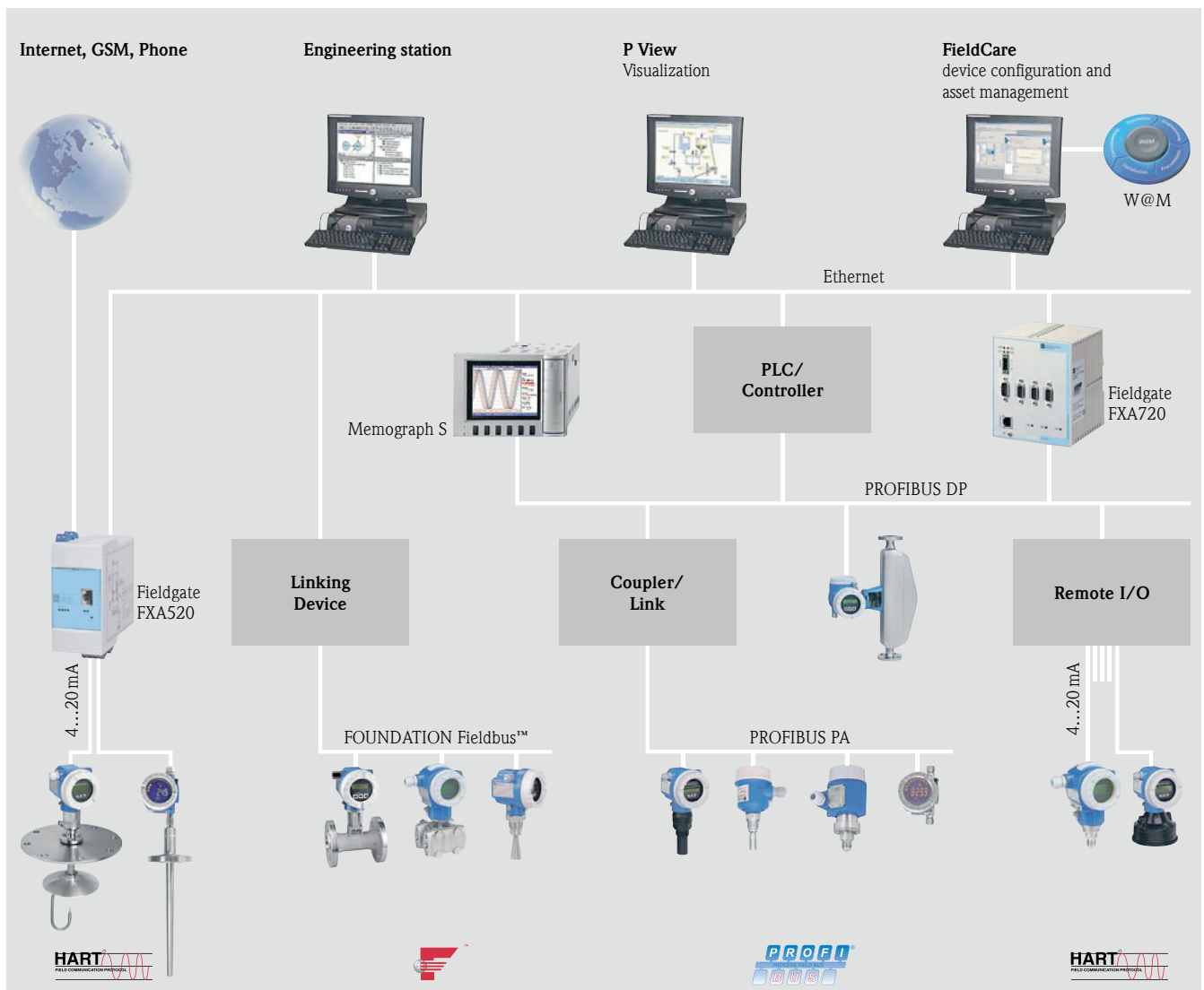


# System integration/Field communication



## PROFIBUS PA/DP and FOUNDATION Fieldbus™

PROFIBUS® and FOUNDATION Fieldbus™ are open fieldbus standards. They have been specially designed for process engineering and process automation purposes.

Endress+Hauser offers PROFIBUS® and FOUNDATION Fieldbus™ instruments for level, pressure, flow, liquid analysis and temperature measurement as well as recording devices.

### Advantages:

- Standard is not dependent on a particular manufacturer
- Communication and power supply using two-wire technology
- Flexible topologies and bus structures

## HART® protocol, e.g. via remote inquiry

In process instrumentation, the HART® protocol has become the standard for SMART transmitters world-wide. Together with a Fieldgate, the HART® protocol offers remote inquiry capability, remote diagnostics and remote programming. To this end, the Fieldgate uses the existing infrastructures of the Internet and software standards. Every Internet-compatible computer can request and represent measured values world-wide without any additional software.

The Fieldgate offers transparency in production and supply processes and opens up new possibilities in inventory management – e.g. time and cost optimized route planning for delivery vehicles.

## Visualization and device configuration

The P View visualization system is a high-performance and price-effective customer solution for process visualization. Measured tank values such as level or temperature are clearly depicted.

FieldCare configuration and asset management software is based on the open FDT 1.2 standard (Field Device Tool) and provides easy access to field instruments from a central station irrespective of the manufacturer. FieldCare comprehensively supports engineering, configuration or setup and diagnosis of intelligent instruments. FieldCare makes an engineer's life easier, e.g. from quick access to device manuals through to plant wide status monitoring of all field instruments.