



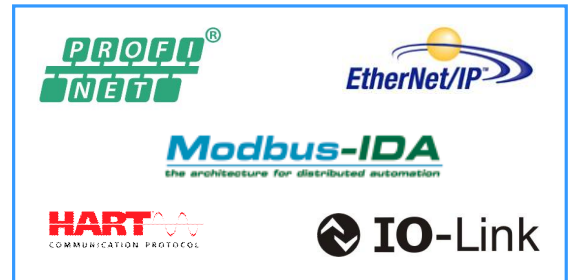
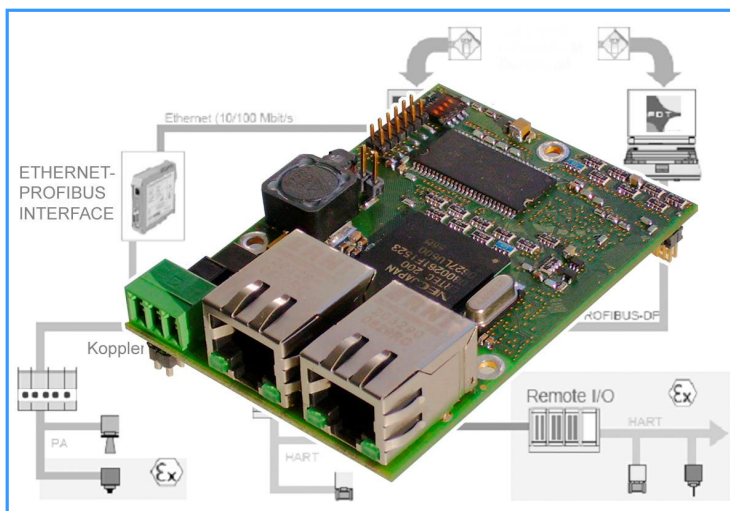
Industrial Communication

Overview

MESCO Engineering is your partner for electronic and software developments for factory and process automation. Our core expertise is the development of remote I/Os and field devices. We specialize in R&D services for automation and industrial communication with a focus on fieldbus/Ethernet implementations, on designs for explosive areas and for Functional Safety.

MESCO provides comprehensive development services for industrial communication with:

- PROFIBUS DP / PA
- PROFINET RT/IRT and other Ethernet-based protocols
- PROFIdrive
- Safety protocols, e.g. PROFIsafe
- HART, *WirelessHART*
- Modbus serial / TCP
- IO-Link
- Proprietary systems



Services

Consulting

- Consulting and training in MESCO's in-house fieldbus laboratory

Design

- Hardware and software development for communication interfaces, fieldbus option boards and transmitters
- Definition of properties, parameters, profiles for fieldbus interfaces
- Implementation of communication stacks from MESCO's own pool or from third parties
- Power extraction and management for bus-powered devices
- Miniaturized designs
- Minimization of cost, time and risk by use of reference designs available at MESCO
- Development of device parameterization software (EDDL)

Testing and certification

- Conformity and interoperability tests in MESCO's in-house fieldbus laboratory
- In-house certification services and support with external certifications for fieldbus systems