

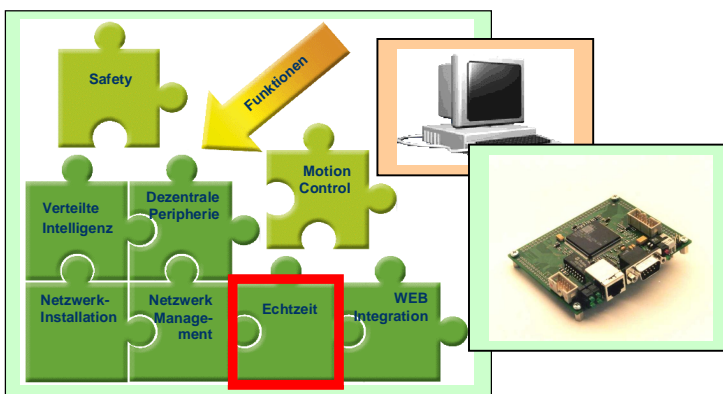
## Industrial Ethernet

### Overview

Ethernet enables a plant-wide communication from management level down to field device or cell level. The benefits of Ethernet connectivity are constantly updated by different organizations and workgroups to meet the demands for industrial application and to establish standard protocols. PROFINET and Modbus are the most important standards to evaluate.



### General Purpose Ethernet Platform



### Development

MESCO develops your product state-of-the-art. Use the MESCO know-how, based on active membership in the leading fieldbus organizations and long time experience of its field device developers.

### Highlights

- Modular conception of products for several fieldbus systems
- Definition of clear interfaces between fieldbus and application
- Ethernet Design Packages and evaluation boards, Stack Libraries
- Implementation of profiles for PROFIBUS PROFINET IO
- PROFIsafe@PROFINET (SIL3), PROFIdrive@PROFINET
- RT, IRT hardware platform (e.g. with PLL function)
- Safe Communication, Black Channel, Safe Logic (SIL3)
- Remote maintenance, parameterization and diagnostics

### Services

- Consulting and development support
- Product development with Ethernet and/or fieldbus systems
- Development of hardware and software for Industrial Ethernet with PROFINET and Modbus
- Customer specific gateway development
- High performance Ethernet hardware platforms
- Remote maintenance and device diagnostics as Embedded Client/Server application
- Support of standard IT services (email, ftp, https, ...)
- Compilation of XML/GSDML/FDT
- Development of diagnostic and parameterization software as Java applets
- Device stress tests in the MESCO fieldbus laboratory
- Assistance in selection of development environments and tooling
- Manufacturing engineering
- Approvals and certification

**All from one source!**