

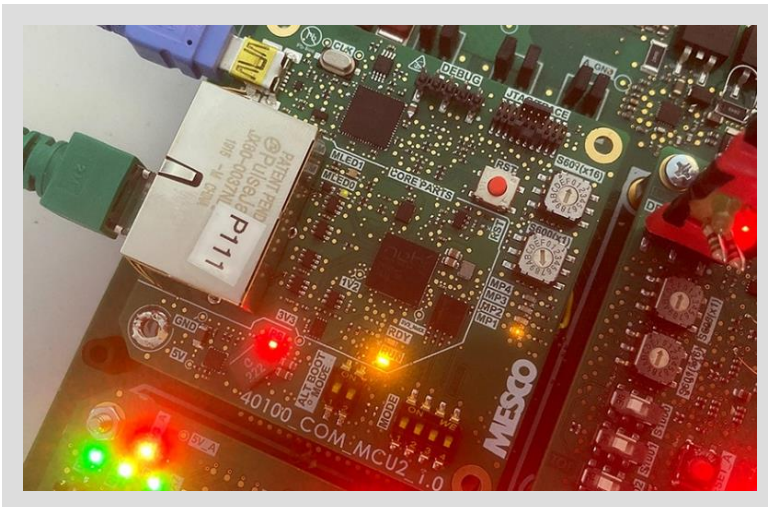


## PROFINET / PROFIsafe – Development Services

### Overview

PROFINET is the efficient Ethernet communication technology for high-performing real-time communication functions as well as for high synchronisation accuracy of the factory automation. For realising a safe data transmission for PROFINET, the protocol PROFIsafe has been defined.

PROFIsafe complies with the SIL3 of the IEC 61508 and allows the transmission of safe information in a communication system. It does not cause any limitations regarding the transmission rate and the cycle time.



MESCO Evaluation Board PROFINET / PROFIsafe

### Our competences

MESCO has been a member of PROFINET International (PI) for many years, is accredited as a Competence Center and actively works in diverse technical workgroups with.

Our focus is on the electronics development of industrial products.

Our specialists develop your product from the concept to the declaration of conformity or the TÜV certification for safety-related projects.

Our services include conception, hardware and software development, prototyping and support with the certification of your product.



### The highlights

- MESCO Design Packages for the simple implementation of PROFINET and / or PROFIsafe functionality in your product
- Proof-of-concept by using the MESCO PROFINET/PROFIsafe Eval Boards
- Support of the hardware platforms netX90 (Hilscher), Ertec, STM32
- Simple integration of multiprotocol solutions on a common hardware
- MESCO Design knowledge in the field of Ethernet communication, functional safety and motion control

### MESCO Services

- Technology consulting and preparation of the specifications
- Proven hardware and software design for industrial Ethernet interfaces with PROFINET and PROFIsafe communication
- Multiprotocol Ethernet hardware solutions
- Support for conformity check and TÜV certification

### Further services for functional safety

- Customised hardware and software development compliant with standards according to IEC 61508 (SIL3), EN ISO 13849 (PL e)
- Integration Safety Communication (PROFIsafe)
- Support for the safety certification by the TÜV or IFA

### Your advantages

- Proof-of-concept by using the MESCO Eval Boards
- Reduced development risk by MESCO Design Package solutions
- Cost reduction of your project
- Shorter Time-to-Market