

## RZ Ecosystem Partner Solution

# MESCO Engineering PROFINET & EtherCAT Integration Service



### Solution Summary

MESCO utilizes its extensive expertise in industrial Ethernet communication and functional safety, recognized for many years as a Competence Center by PROFINET International (PI) and the EtherCAT Technology Group. The company provides services including design, hardware and software development, prototyping, and compliance support, including declarations of conformity or TÜV certifications for industrial products that implement PROFINET I/O Device/F-Slave and/or EtherCAT SubDevice/FSOE SubDevice. Support is offered for the Renesas [RZ/T2M](#) and [RZ/N2L](#) series of MPUs.

### Features/Benefits

- System concept consultation service based on Proof-of-concept by using the MESCO Eval Boards
- MESCO Design Packages for the simple implementation of PROFINET/ PROFIsafe and EtherCAT /FSOE functionality in a common hardware
- Support for protocol conformity check in MESCO's in-house fieldbus lab using official test tool and TUV certification

### Diagrams/Graphics



### Target Markets and Applications

- Process automation including safety
- Factory automation including safety



## Who we are

MESCO Engineering is your partner for electronic and software development in the area of process and factory automation. Our core competence is the development of Remote I/Os and field devices. In addition we offer the following services: connection on field buses, consideration of explosion-proof and Functional Safety according to IEC 61508. Qualified engineers and technicians use their know-how for your mission. Customer proximity, flexibility, technical competence and cost awareness are our strengths. MESCO Engineering is a fully accredited fieldbus competence center.

## Other company's introduction of MESCO Group

MESCO Systems develops specific products and tools for those that are designing their own products. Many years of experience at MESCO Engineering has enabled us to devise generic design packages. These are proven hardware and software designs including libraries and fieldbus interface circuits. Used as reference designs, the design packages support, simplify, and accelerate development in safety and non-safety relevant areas. The product portfolio also includes tools to make life easier for developers and to increase efficiency.

TEConcept has been a subsidiary of MESCO since 2008. Today their portfolio encompasses products, development tools, and custom services for hardware and software development. TEConcept's outstanding expertise is in the area of IO-Link communications technology. The company is an accredited IO-Link test and competence center and an active member of the IO-Link steering committee.

MESCO Subsidiaries in Switzerland and the USA provide close contact to our customers with local experts.

## Contact

<https://mesco-engineering.com/en/contact/>