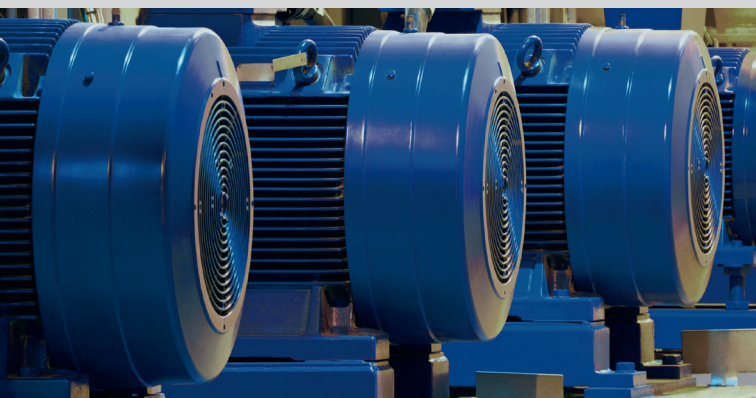




Safe Drive Technology

Innovative electronics development by experts

hardware development | software development | industrial communication | functional safety | explosion-proof



Hardwareentwicklung | Softwareentwicklung | Industrielle Kommunikation | Funktionale Sicherheit | Explosionsschutz

**... where ideas
turn into success!**

On the safe side

**Years of experience. Highly qualified specialists.
Certified processes.**

Functional safety – the important topic in modern drive technology. The development of functionally safe drives requires specific know-how of processes, standards and applications.

MESCO offers optimized development solutions based on integrated design packages as well as consulting and workshops in the field of functional safety.

We develop safe drive electronics for you, such as safety option cards for servo and linear drives as well as frequency inverters, safe encoders or I/O components.

Our TÜV-certified Functional Safety experts have in-depth knowledge and many years of development expertise for the creation of innovative concepts and electronics according to IEC 61508, EN ISO 13849 and IEC 62061. The MESCO certified development process guarantees an optimal project flow – from concept to certificate.

Benefit from our knowledge for your development!



Expert knowledge for maximum safety

Your success is our driving force

With our wealth of ideas and our many years of experience, we will tread new paths with you for your success.

As a development specialist for drive technology, we stand for sound expert knowledge, highest quality and precision. We enthusiastically develop future-oriented hardware and software solutions for safe and non-safe applications that meet current and future market requirements.

Benefit from a comprehensive service consisting of tailor-made development, design packages that can be directly integrated and comprehensive consulting.

We always develop under consideration of the relevant standards, such as:

- IEC 61800-5-2 (safe functions for drives)
- IEC 61784-x (communication profiles of functional safety)
- IEC 61508 SIL2/SIL3 (standard for functional safety)
- IEC 62061 (functional safety for machines)
- ISO 13849-1,-2 (safety-relevant parts of machines)

Talk to us about your requirements and your development needs.



Safety Option Board



Our Offering

Depending on development requirements, we offer development services for safe and non-safe drive technology.

Entry Level: Consulting

- Technology Consulting
- Functional Safety Management
- Industrial Ethernet Communication
- Support in the creation of (Safety) Requirements

The Concept: Architecture

- Creation of the (Safety) Concept
- System Architecture
- Quality Assurance Measures

The Development: Design, Implementation, Prototyping

- Hardware Development
- Software Development
- Safety Development
- PCB Layout
- Prototyping
- Type Testing
- Integration Test
- Use of existing Safety Design Packages
- Support of product launching into production

The Completion: Certification

- Comprehensive Support of the Certification

**MESCO supports your product development.
From concept to certificate!**

Our Services

- **Tailor-made Development Solutions**

Customized hardware and software development with flexible use of design packages.

- **Directly applicable Design Packages**

Proven circuits and software components for rapid implementation of your development project.

- **Development Consulting**

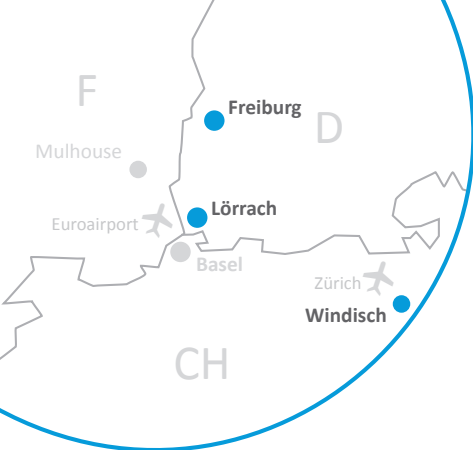
Development accompanying consulting and coaching in the areas of functional safety and industrial communication.

Supported Protocols



Your Benefits

- ✓ Reduce development effort, risk and cost.
- ✓ Save valuable time to focus on your core competencies.
- ✓ Benefit from a short time-to-market.
- ✓ Achieve protocol and TÜV certification quickly and easily.



About MESCO

MESCO is your partner for innovative software and hardware development in the field of process and factory automation.

We have a unique and comprehensive knowledge in the areas of industrial communication, functional safety and explosion protection.

Since 1990 we have been offering our customers worldwide up-to-date cross-sector know-how, integrated solutions and comprehensive services.

Benefit from our many years of expert knowledge and our expertise in the development of customer-specific solutions from concept to approval.

We develop for you!



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