Successful implementation of safety-critical systems according to ISO 26262 necessitates a high complexity. In doing so, one needs to take a look from different perspectives: system level perspectives must be considered alongside those of hardware and software.

The FUNCTIONAL SAFETY WEEK provides a unique forum to examine and discuss the various relevant aspects more closely. Each day offers a separate, self-contained module that can be booked separately.

SAFETY WEEK MODULES

- **DAY 1** Overview Functional Safety
- **DAY 2** Functional Safety Management
- **DAY 3** Concept Phase and Product Development at System Level
- **DAY 4** Hardware Development for Safety Related Automotive Systems
- **DAY 5** Software Development for Safety Related Automotive Systems
This day will give you a systematic and condensed introduction into the Functional Safety concept according to ISO 26262. The program includes examples and practical exercises that will help you understand the implications of the concept and apply them in practice.

COURSE FOCUS

- Structure and essential requirements of the ISO 26262 standard
- Typical work split between involved companies and persons
- Implications of the ISO standard for your own scope of responsibility
- Controlling risks due to product liability
TARGET GROUP
Everyone who needs a systematic overview of ISO 26262 because they are somehow involved in the development of safety-critical systems; for example, project team members, Legal department, Purchasing department, Quality assurance

PREREQUISITES
Good knowledge of technical English
No other previous knowledge required

COURSE LANGUAGE
All our courses are available in English and in German.

COURSE DURATION AND COURSE SIZE
- 1 day, 9 a.m. – 5 p.m.
- Up to approx. 12 participants

PRICE AND DATES
www.kuglermaag.com/trainings

CONTACT
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KUGLER MAAG CIE GmbH
Leibnizstrasse 11
GER-70805 Kornwestheim
Tel. +49 7154 1796 100
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DAY 2 OF THE AUTOMOTIVE FUNCTIONAL SAFETY WEEK

According to ISO 26262, functional safety of electronic products in the vehicle requires a systematic approach. As a result of this course you will know the demands of the standard at the organizational level and in a concrete project.

COURSE FOCUS

- Necessary organization of company units and projects for the development of functionally safe products
- Concrete requirements of the ISO 26262 standard on management
- Tasks of the Safety Manager, Safety plan and Safety evidence
- Supporting processes
- Suitability of software tools
TRAINING DETAILS
SAFETY WEEK. DAY 2

Modular Training: You can book each day separately.

TARGET GROUP
Persons with management responsibilities in the development of safety related systems: Safety Managers, Quality Managers, Configuration Managers, Test and Verification Managers, Quality Assurance Engineers, Safety Assessors, Project Managers and, Team Leaders

PREREQUISITES
Participation at Day 1 of the Safety Week or basic knowledge of ISO 26262
Good knowledge of technical English

COURSE LANGUAGE
All our courses are available in English and in German.

COURSE DURATION AND COURSE SIZE
- 1 Day, 9 a.m. to 5 p.m.
- Up to approx. 12 participants

PRICE AND DATES
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We will examine the risks of electronic products at the vehicle level to subsequently implement the necessary safety mechanisms in the hardware and software. As a result of this seminar, participants will know what needs to be done in terms of safety at both the vehicle level and the system level.

**COURSE FOCUS**

- Analysis of the hazards and risks according to ISO 26262
- Derivation of safety objectives and requirements
- Requirements and approaches related to safety concepts
- Verification of the implementation of safety requirements
SAFETY WEEK

TRAINING DETAILS

SAFETY WEEK. DAY 3

Modular Training: You can book each day separately.

TARGET GROUP

Experts working in the early development phases or in development at system level: Safety Engineers, System Engineers, Test Engineers, Systems Developers, Requirements Engineers, Software Developers, Hardware Developers, System Architects, Project Managers, Team Leaders, Requirements Managers, Safety Managers, and Safety Assessors.

PREREQUISITES

Participation at Day 1 of the SAFETY WEEK or basic knowledge of ISO 26262
Good knowledge of technical English

COURSE LANGUAGE

All our courses are available in English and in German.

COURSE DURATION AND COURSE SIZE

- 1 Day, 9 a.m. to 5 p.m.
- Up to approx. 12 participants

PRICE AND DATES

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HARDWARE DEVELOPMENT FOR SAFETY RELATED AUTOMOTIVE SYSTEMS

DAY 4 OF THE AUTOMOTIVE FUNCTIONAL SAFETY WEEK

A vehicle’s electronic hardware must implement safety mechanisms. To verify the reliability of the hardware we will use the fault models described in ISO 26262.

COURSE FOCUS

- Requirements of ISO 26262, part 5, with respect to hardware development
- Calculation of hardware architectural metrics
- Procedure for calculating hardware failure rates
- Definition of sufficient safety mechanisms
- Verification of the implementation of hardware safety requirements
TARGET GROUP
Hardware Developers, Safety Engineers, System Engineers, Hardware Requirements

PREREQUISITES
Participation at Day 3 of the SAFETY WEEK (System level). Good knowledge of technical English

COURSE LANGUAGE
All our courses are available in English and in German.

COURSE DURATION AND COURSE SIZE
- 1 Day, 9 a.m. to 5 p.m.
- Up to approx. 12 participants

PRICE AND DATES
www.kuglermaag.com/trainings
The safety standard ISO 26262 requires the application of specific methods that go well beyond good software engineering practice and beyond Automotive SPICE. As a result of this seminar, participants will know what they need to pay particular attention to during software development and how best to implement such requirements in practice.

**COURSE FOCUS**

- ISO 26262 Requirements, part 6, with respect to software development
- Specific tasks in the various phases of software development – which is the right mode within
- Verification of the implementation of software safety requirements
TRAINING DETAILS
SAFETY WEEK. DAY 5

Modular Training: You can book each day separately.

TARGET GROUP
Software Developers for Embedded Systems, Safety Engineers, System Engineers, Software Requirements Developers, and Safety Managers

PREREQUISITES
Participation at Day 3 of the SAFETY WEEK (System level) and basic knowledge in software

Good knowledge of technical English

COURSE LANGUAGE
All our courses are available in English and in German.

COURSE DURATION AND COURSE SIZE
• 1 Day, 9 a.m. to 5 p.m.
• Up to approx. 12 participants

PRICE AND DATES
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