



FS 002 | Functional Safety Engineering and Management

eLearning Training Facts

Functional Safety – A question of qualification

Personnel qualification is essential for functional safety. To prevent hazardous incidents, current standards such as the statutory order on hazardous incidents or IEC 61508/11 increasingly demand proof of adequate training for management staff at all levels and in all areas.

This HIMA training course helps you demonstrate your functional safety competence throughout the safety lifecycle.

Supported by a range of practical examples, it provides employees working with safety instrumented systems (SIS) the basic principles, informing them about current standards, their requirements and the use of modern tools, technologies and methods.

Now, you can learn anytime, anywhere from the comfort of your home or office, on your preferred devices! Upskill yourself with our highly engaging online eLearning courses.

e-Training BENEFITS:

- Reduce travel; attend from home
- LIVE instructor-led training sessions
- Quizzes/live polling
- Interactive course exercises with personal feedback
- Downloadable digital copies of course lessons and other supporting materials
- Certificate of attendance

Duration:

1 day, beginning 08:30, Ending 16:30 (4 hrs/day)
eLearning courses may be split into minimum 2 sessions

Number of participants: minimum 4, maximum 10

Services

- Participation certificate issued by HIMA

Registration: <https://www.hima.com/en/products-services/seminars/>

Contact: Training.au@hima.com

Course Content

Introduction/Basics

- Presentation of relevant standards / Functional safety
- Accidents and prosecution in the sector.
- Legislative framework
- Overview of relevant standards AS 61508 / AS61511

Analysis

- Identification of hazards and classification
- Examples using HAZOP, risk matrix and risk graph
- The safety lifecycle

Realisation

- Basics for specification
- Design of safety related system and software design
- Key elements for operation

Validation Operation

- Safety must be ensured during plant operation
- Verification and validation
- Operation and maintenance including proof testing
- Change management
- Configuration / competence management
- Functional safety audits

Price for 2021

- Please contact our training centre