



FS 101 | Functional Safety for maintenance and operation

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 operating staff at all levels and in all areas. This HIMA training course helps you demonstrate your functional safety competence.

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
eLearning courses may be split into minimum 2 sessions

Number of participants: minimum 4, maximum 10

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

Contact: Training.au@hima.com

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Course Content

Introduction/Basics

- Presentation of relevant standards
- What is risk and how to handle it?
- Manage safety properly

Analysis

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

Realisation

- Basics for specification
- Considerations about software design?
- Key elements for operation
- Checklists: an universal aid?

Validation Operation

- Safety must be ensured during plant operation
- Proper (important) recording of faults
- Fault analysis
- Proof tests

Services

- Participation certificate issued by HIMA