



FS 132 | Functional Safety Engineer (TÜV Rheinland)

TrainingFacts

Safety Instrumented Systems (SIS) Training of the TÜV Rheinland Functional Safety Program

International standards as IEC 61508 and IEC 61511 require your ability to demonstrate competency for all steps of the Safety Lifecycle, where you are involved.

HIMA is an accepted course provider of the TÜV Rheinland Functional Safety Program. This training will provide you with valuable skills and knowledge which can be used in your daily activities.

The course has been developed to provide an overview of current industry standards, functional safety concepts and current tools used to determine safety integrity levels (SIL), while applying industry recognized techniques and methodologies.

Participant requirements

- A minimum of 3 years of experience in the field of Functional Safety
- University degree or equivalent engineer level responsibilities status as certified by employer

Certificate

The training is run by our team of FS Experts all with practical experience gained over many years.

The successful completion of the final exam will provide you with a "FS Engineer (TÜV Rheinland)" certificate.

Acquiring your certificate through a HIMA training course, will let you benefit from the Functional Safety competence of a world leader in safety-related automation solutions.

Course Content

- Introduction to Functional Safety, standards, basic terms and definitions
- Functional Safety Management (Safety Lifecycle, competence, independence, verification, validation, modification, ...)
- Hazard & Risk Analysis
- Safety Requirement Specification (SRS)
- Safety Instrumented Systems (SIS) hardware design (SFF, HFT, architectures, choice of equipment, prior use, certified modules, PFDavg)
- Software design (specification, design, testing, ...)
- SIS Security
- Operation and Maintenance (repair, proof test, bypasses, ...)

FUNCTIONAL SAFETY-TRAINING
FS 132 | FUNCTIONAL SAFETY ENGINEER
(TÜV RHEINLAND)

Dates in 2018			
Date	Location	Country	Language
Jan 16-19	Melbourne	Australia	English
Feb 20-23	Perth	Australia	English
Mar 5-8	Dubai	VAE	English
Mar 20-23	Sydney	Australia	English
Apr 17-20	Adelaide	Australia	English
May 15-18	Rome	Italy	English
May 15-18	Gladstone	Australia	English
Jun 12-15	Port Harcourt	Nigeria	English
Jun 19-22	Auckland	New Zealand	English
Jul 17-20	Perth	Australia	English
Aug 21-24	Darwin	Australia	English
Sep 10-13	Dubai	VAE	English
Sep 18-21	Melbourne	Australia	English
Oct 16-19	Brisbane	Australia	English
Nov 27-30	Houston, TX	USA	English

Duration

3,5 days

Begin: Tuesday 9:00 am

End (exam): Friday noon

Number of participants

- Min. 6 participants
- Max. 12 participants

Prices 2018 in USA

- USD 2,500 per person incl. exam cost
(other countries on request)

Services

- Paper copies of training documentation
- Refreshments and lunch
- FS Engineer (TÜV Rheinland) certificate upon achieving the required pass mark in the final exam

Registration and Contact The Americas

General terms and conditions as well as registration at <https://www.hima.com/en/products-services/seminars/> or using our registration form.

For any other questions please contact:

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Participant profile

- Persons involved in analysis, design and operation of safety instrumented systems.
- Site and quality managers
- System integrators and independent consultants
- Process and control engineers
- Risk, reliability, safety, and quality engineers
- Loss prevention engineers
- Anyone interested in a Functional Safety Engineer (TÜV Rheinland) certificate

Theory and practice

In addition to the theoretical part, the training course contains practical parts which cover, among others:

- Hazard & Risk Analysis (HAZOP) and SRS
- Allocation, design, selection of devices and verification of safety functions

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