

TrainingFacts

Functional Safety Engineer (TÜV Rheinland)

Training Content

- Introduction to Functional Safety, basic Terminology
- Functional Safety Management, Life Cycle Concept
- Hazard & Risk Analysis
- Safety Requirement Specification (SRS)
- Safety Instrumented Systems (SIS) Design
- Hardware Concepts for SIS and Subsystems Design
- Selection of Devices for SIS (IEC 61508 compliant or Prior Use)
- SIS Application Program Design
- SIS Security
- Operation and Maintenance

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.



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

As a professional involved with functional safety, your ability to demonstrate competency in this subject is taking on greater importance and is being driven by standards such as IEC 61508, IEC 61511 (ED2) and ANSI/ISA - 84.00.01.

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.



SAFETY
NONSTOP

Functional Safety Engineer (TÜV Rheinland)

Participant Profile

- Any personnel involved in the analysis, design and operation of safety instrumented systems (SIS)
- 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

Eligibility Requirements

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

Theory and Practice

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

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

Duration

- 4 days

Cost

- \$2,500 per person incl. exam cost

Included

- Course materials
- Course exam
- FS Engineer (TÜV Rheinland) certificate upon achieving the required pass mark in the final exam
- Refreshments and lunch

Registration and contact

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