

TÜV Rheinland FS Engineer Training Programme

Frequently Asked Questions

Why should I seek a certificate in process safety?

Obtaining the certificate will create a stronger recognition of the role of the process safety engineer and reduce the uncertainty about what it involves. There is a shortage of skilled process safety professionals in what is a growing profession, so a formal certificate that recognises your expertise can help improve your career prospects and increase your remuneration by differentiating yourself from others. Gaining the certificate demonstrates your commitment to learning, with the ability to think creatively in order to solve complex process safety and risk problems.

Why should I become a TÜV Rheinland Functional Safety Engineer?



Over 10,000 engineers have participated in training courses and are holders of the FS Engineer (TÜV Rheinland) certificate. The TÜV Rheinland Functional Safety Training Programme is the only worldwide extended vocational training programme in the area of functional safety where knowledge and competencies are approved by a third neutral party and where certificates are issued. Many organizations are increasingly stipulating that studies such as LOPA and SIL classification are led by TÜV Rheinland FS engineers or equivalent.

How does this Process Hazard & Risk Analysis certificate relate to the Safety Instrumented Systems certificate?

Both the Process Hazard & Risk Analysis (PH&RA) certificate and the Safety Instrumented Systems (SIS) certificate fall under the same TÜV Rheinland Functional Safety Training Programme. The difference between the PH&RA and SIS certificates is simply the content studied and examined. The SIS certificate focuses on understanding and applying the standards IEC 61508 and 61511 for electrical, electronic, programmable electronic (E/E/PE) safety systems. The PH&RA certificate focuses on applying the principles of process hazard and risk analysis within the context of process safety management, noting the relationships with IEC 61508 and 61511 where they exist, but considering the full range of barriers for controlling risk, whether engineered systems, procedural controls or human intervention.

Why should I do this training with Risktec?

Risktec is respected as a leading safety and risk management consulting and education company, with some of the world's most impressive companies as clients. Enrolling on this course ensures that your learning is relevant to industry and the situations you are likely to encounter in the real professional world. You will gain access to Risktec's experienced consultant-trainers, as well as the opportunity to network and interact with other delegates.

How hard is the examination?

The exam is a professional exam and is designed to test the application of knowledge rather than simply recalling facts. As such the examination must reflect a level of difficulty which demonstrates the high quality of a qualified risk professional. All of the multiple choice questions must be answered and they encompass the full range of topics covered by the course. You may select which of the longer questions to answer from a larger set of questions. This allows you to focus on those topics that you are most experienced in. The exam recognises that professionals often specialise and that not everyone can be highly experienced in all techniques and their application.

What do I get when I pass the exam?

You will receive a FS Engineer (TÜV Rheinland) certificate from TÜV Rheinland, Germany, which will be valid for 5 years. After that it can be renewed with TÜV Rheinland for a further 5 years against a reference letter from your employer and payment of a fee. TÜV Rheinland will issue you with a unique ID and publish your name on its website. You can use the title FS Engineer (TÜV Rheinland) on your business card and within the signature on your emails, etc.

What happens if I fail the exam?

You can retake the examination after at least six months have passed but this will incur an additional fee.