

TÜV Rheinland Functional Safety Training Programme

Process Hazard & Risk Analysis

6th - 10th March 2022

Dubai, UAE



Controlling risks within major hazard enterprises requires a robust process safety management (PSM) system, and key to its success is the experienced application of process hazard and risk analysis (PH&RA) techniques.

This Process Hazard & Risk Analysis course is part of the TÜV Rheinland Functional Safety Training Programme. Participants who successfully pass the examination will receive an FS Engineer (TÜV Rheinland) certificate.

This course covers the fundamentals of PSM, demonstrating how to apply the theory in practical situations, using simple and more complex examples to illustrate key points. The course is considered essential for anyone who is involved in PH&RA.

Who is this for?

Process engineers, safety engineers and managers, instrument engineers and operations personnel, plant and operations managers.

Participants will be required to submit:

- An eligibility form showing a minimum of 3 years' experience in the field of functional safety, and
- University degree (Master's or Bachelor's degree in Engineering) or equivalent engineer level responsibilities status as certified by employer

The submission will be reviewed to determine eligibility for the course.

What will I learn?

At the end of the course you should be able to:

1. Apply the most popular and internationally adopted methods and tools for identifying and managing the risks associated with process related hazards
2. Actively participate in and give effective support during the whole process hazard and risk analysis approach
3. Identify hazards and analyse risk, including applying the IEC 61882 HAZOP standard
4. Relate the requirements of Functional Safety according to IEC 61508 / IEC 61511 to process hazards and risk analysis



Pricing

GBP 1,950 per person (excluding VAT).

The price includes training material, delivery exam and certification fees.

Please contact us if you would like to discuss a course delivered specifically for your organisation.

Location

Dubai, UAE

How is it delivered?

The course will be delivered face-to-face in Dubai, UAE. (In the event that travel restrictions resume, this course will be delivered online via MS Teams.) The course is delivered over five consecutive days, 9am - 5pm each day.

The course material comprises slides, videos and activities designed to enhance the knowledge and practical skills of participants. It provides a hands-on learning experience, with emphasis on the activities. Many of the slides provide backup content for reference purposes.

The Risktec trainers are accredited by TÜV Rheinland. They have extensive training experience and draw upon their practical experience when delivering this training course, providing examples of the use of process hazard and risk analysis techniques as applied in the real world.



How is it assessed?

The examination will be completed during the afternoon of the last day of the course. The total exam time will be 3 hours and 30 minutes.

Part 1: Forty multiple choice questions (20%)

Part 2: Three questions requiring written answers (50%)

Part 3: HAZOP workshop (30%)

Meet the trainer



João Abruzzini BEng Chemical Engineering, BSc Industrial Engineering, TÜV Certified Functional Safety Trainer

João is a TÜV-certified Functional Safety Engineer with over 20 years' experience in the goal-setting regulatory frameworks in South America, Middle East and the North Sea. He has facilitated workshops for HAZID, HAZOP, LOPA and inherently safer design reviews. He has led formal safety assessments comprising QRA, fire & explosion analysis and escape, evacuation & rescue analysis, and has audited process safety management frameworks of petrochemical operators and oil & gas producers. João has also facilitated failure FMECA workshops and undertaken reliability, availability and maintainability modelling.

6th - 10th March 2022

Register now!

For more information visit: risktec.tuv.com/our-services/learning/tuvr-functional-safety-engineer-course



risktec.tuv.com

training@risktec.tuv.com

+44 (0)1925 611200