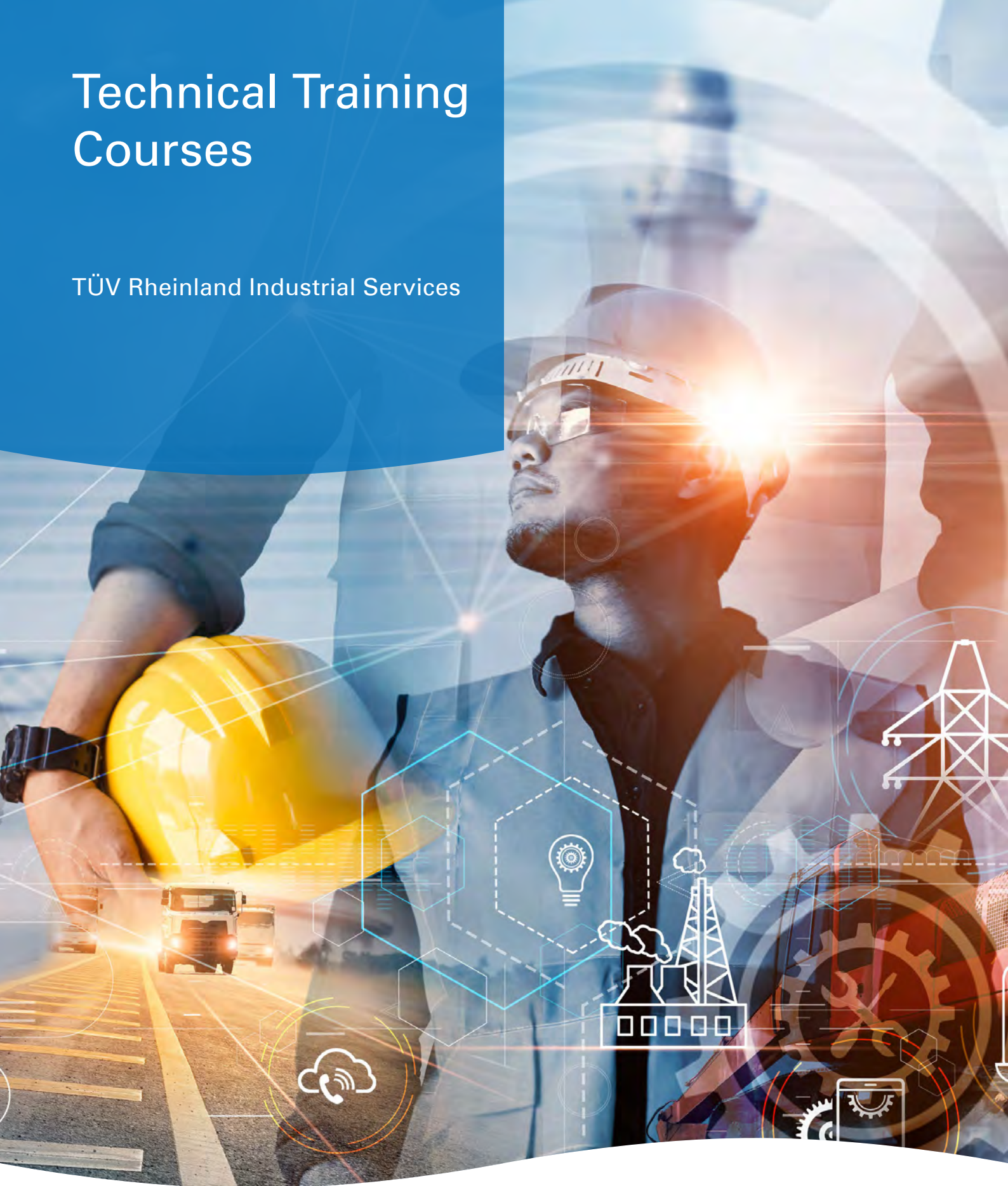


Technical Training Courses

TÜV Rheinland Industrial Services



An Introduction to TÜV Rheinland Industrial Services

TÜV Rheinland Industrial Services has a worldwide reputation as a leader in process safety, integrity management and technical engineering services.

We are dedicated to empowering the process, energy, oil & gas and water industries (to name but a few!) with comprehensive knowledge and expertise in key engineering domains.

Our mission is to drive operational excellence by fostering safe, reliable, efficient, and sustainable operations. Through our integrated solutions, we bridge critical manufacturing performance gaps, enhancing the synergy of people, processes, and plant performance.

Our training programmes are designed to unlock the full potential of operational, maintenance, and engineering capabilities. Each course is infused with TÜV Rheinland Industrial Services' commitment to achieving optimal plant performance and efficiency, ensuring that our clients stay at the forefront of industry standards and technological advancements.

We cater to a diverse clientele, offering various training levels to suit different competency needs, from raising awareness of issues to advanced technical training courses.

Our collection of specialised learning programmes are designed for senior managers, professional engineers, and technicians across multiple industries. With several courses recognised by professional bodies, we ensure that our training stands for quality and relevance in today's dynamic industrial landscape.

Our Approach to Technical Training

All our courses are prepared and run by experienced, practicing engineers and consultants, with many years' experience.



Our courses are designed to be interactive, combining presentations and discussions on key issues. We incorporate real-world case studies and practical exercises to help delegates apply their newly acquired knowledge.

Some of our courses are endorsed by The Institution of Chemical Engineers (IChemE)* and members will receive a discount on all accredited courses.

We understand the importance of flexibility and being responsive to customer needs. Therefore, if our existing courses do not fully meet your requirements, we are happy to customize a course to suit individual or company-specific needs.

For example:

- In-house courses conducted at client sites provide an opportunity for problem solving workshops, where specific workplace issues can be addressed
- Courses can be specifically tailored using a range of topic modules to meet client requirements
- Personalised one-to-one coaching and mentoring are available, tailored to an individual's requirements
- In-house courses can be customised to include customer specific procedures, standards, etc.
- Virtual training and e-learning options are also available, offering greater flexibility for your training needs

Over the years our courses have successfully been delivered across a wide range of industry sectors, including chemical, petrochemical, oil & gas, power, pharmaceutical, and other process industries.



Coaching and Mentoring

Coaching and mentoring are effective strategies for enhancing employee performance and improving competency. By implementing coaching and mentoring programs, companies can support their employees' growth and help them achieve their career goals, which in turn boosts the overall performance and competency of the team.



MENTORING

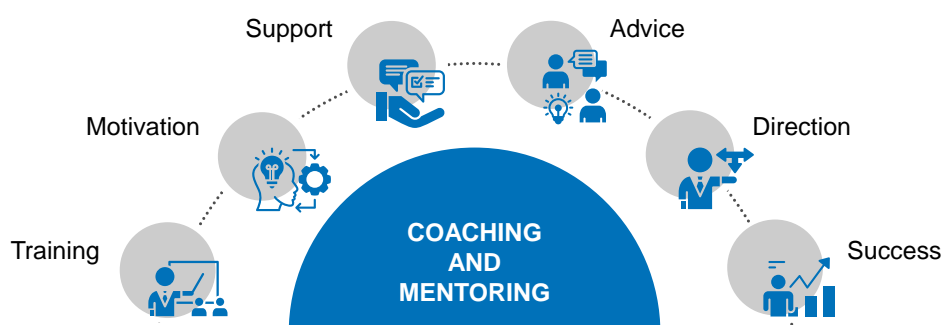
BENEFITS OF COACHING AND MENTORING

Coaching and mentoring can facilitate career advancement by teaching new skills and reinforcing existing ones. These programs provide encouragement, help individuals build confidence in their abilities, and increase their success in their chosen fields. A relationship with a mentor or coach allows individuals to gain insight into their strengths and areas for improvement. Both coaching and mentoring rely on the ability to establish strong relationships and maintain clear communication.

OUR OFFER

If you are considering hiring a coach or mentor, we can provide the support of an industrial mentor / coach. Our mentors / coaches offer expert guidance and technical assistance, ensuring your team can effectively navigate and apply the training content. Mentorship is available through phone, email, or in-person meetings, tailored to your preferences, for an agreed period following the completion of the training.










Please note: Mentorship / Coaching services are offered at an additional cost and require a customised proposal to be developed and agreed upon prior to engagement.























Process Safety Courses

Delivering excellent process safety performance is a must for any operating company in the hazardous industries.

OUR PROCESS SAFETY TRAINING COURSES		DURATION
ALARM MANAGEMENT		
 Effective Alarm Management*	Format: Face-to-Face	3 Days
 Essential Alarm Management	Format: Virtual Classroom	1 Day
COMAH		
 What is COMAH?	Format: Virtual Classroom	1 Day
HAZARDOUS AREA MANAGEMENT		
 An Engineer's Guide to DSEAR	Format: Virtual Classroom	1 Day
 Area Classification*	Format: Face-to-Face	2 Days
 ATEX / DSEAR for Mechanical Technicians†	Format: Face-to-Face, Virtual Classroom	½ Day
 Hydrogen and Hazardous Area Classification	Format: Virtual Classroom	½ Day
FUNCTIONAL SAFETY LIFECYCLE		
 Advanced Hazard Assessment Techniques for SIL Determination*	Format: Face-to-Face	5 Days
 Design SIL Achievement	Format: Face-to-Face	2 Days
 Functional Safety Assessment (FSA) Awareness and Appreciation	Format: Virtual Classroom	1 Day
 IEC 61511 Compliance for Technicians†	Format: Face-to-Face, Virtual Classroom	1 Day
 IEC 61511 Functional Safety Appreciation and Awareness	Format: Virtual Classroom	1 Day
 IEC 61511 SIL Determination*	Format: Face-to-Face	2 Days
 Layer of Protection Analysis (LOPA) and SIL Verification	Format: Virtual Classroom	1 Day
 Layer of Protection Analysis (LOPA) Awareness	Format: Virtual Classroom	1 Day
 Machinery Safety Awareness	Format: Virtual Classroom	1 Day
 SIL Awareness for Technicians	Format: Virtual Classroom	½ Day
 TÜV Rheinland Certificated Functional Safety Engineer - SIS†	Format: Virtual Classroom	4 Days
 TÜV Rheinland Certificated Functional Safety of Machinery	Format: Virtual Classroom	4 ½ Days
 TÜV Rheinland Certificated Functional Safety Technician†	Format: Virtual Classroom	3 Days
CYBER SECURITY		
 Cyber Security Related to IACS and SIS Lifecycle Management Awareness	Format: Virtual Classroom	1 Day
 TÜV Rheinland Certificated Cyber Security Risk Assessment	Format: Virtual Classroom	4 Day
 TÜV Rheinland Certificated Fundamentals of Cyber Security	Format: Virtual Classroom	4 Day

* Approved by IChemE

† Available on request







OUR PROCESS SAFETY TRAINING COURSES		DURATION
PROCESS SAFETY MANAGEMENT SYSTEMS (PSMS)		
 Deep Dive Audits and Assessments Format: Virtual Classroom		1 Day
 Effective Process Safety Leadership Format: Virtual Classroom		1 Day
 Management of Change (MoC) Format: Virtual Classroom		1 Day
 Process Safety Awareness Format: Virtual Classroom		½ Day
 Process Safety Management (PSM) Auditing Format: Virtual Classroom		1 Day
 Process Safety Management (PSM) Best Practice Format: Face-to-Face		5 Days
 Process Safety Management (PSM) Key Personnel Format: Face-to-Face		2 Days
HUMAN FACTORS		
 Human Factors Awareness Format: Virtual Classroom		½ Day
 Human Factors in the Workplace Format: Face-to-Face		3 Days
 Human Reliability Analysis Workshop Format: Face-to-Face		1 Day
 Safety Critical Procedures Format: Face-to-Face		1 Day
HAZARD IDENTIFICATION		
 Hazard Study Awareness Format: Virtual Classroom		1 Day
 Hazard Study Leaders Format: Face-to-Face		5 Days
PRESSURE RELIEF		
 Pressure Relief* Format: Face-to-Face		3 Days
 Pressure Relief Awareness Format: Virtual Classroom		1 Day
ENERGY TRANSITION		
 Biomass Handling Hazards Format: Virtual Classroom		½ Day
 Hazards of Hydrogen Format: Face-to-Face		1 Day
 Net Zero Essentials: Life Cycle Assessment (LCA) and Carbon Footprint Awareness Format: Virtual Classroom		½ Day

* Approved by IChemE



Asset Integrity Courses












Companies need a cost effective way of maintaining production capability, preserving the integrity of the assets and meeting the demands from modern legislation.

OUR ASSET INTEGRITY TRAINING COURSES		DURATION
ASSET INTEGRITY		
	Asset Integrity Management Format: Face-to-Face	2 Days
	Design and Operation of Piping Systems Format: Face-to-Face	2 Days
	Essentials of Pressure Systems Format: Face-to-Face	2 Days
	Essentials of Storage Tanks Format: Face-to-Face	2 Days
	Rotating Equipment for Practitioners Format: Face-to-Face	2 Days
	Mechanical Legislative Awareness Format: Virtual Classroom	2 x ½ Days



e-Learning Courses

e-learning offers the ultimate flexibility to learn at your own pace, anytime and anywhere. With interactive modules and on-demand access, our e-learning ensures uninterrupted learning that fits seamlessly into your schedule.

OUR E-LEARNING TRAINING COURSES		DURATION
MECHANICAL LEGISLATION AWARENESS		
 Machinery Directive and Supply of Machinery (Safety) Regulations Format: on-line		1 hour
 Provision and Use of Work Equipment Regulations (PUWER) Format: on-line		½ hour
RELIABILITY AWARENESS (nine individual modules)		
 1) Reliability - The basics Format: on-line		20 - 40 Minutes
 2) Criticality Analysis (CA) Format: on-line		20 - 40 Minutes
 3) Loss Management Format: on-line		20 - 40 Minutes
 4) Root Cause Analysis (RCA) Format: on-line		20 - 40 Minutes
 5) Failure Mode Effect Analysis (FMEA) / Failure Mode Effect & Criticality Analysis (FMECA) Format: on-line		20 - 40 Minutes
 6) Spares Management Format: on-line		20 - 40 Minutes
 7) Key Performance Indicators (KPIs) and Benchmarking Format: on-line		20 - 40 Minutes
 8) CEDAC - Cause & Effect Diagrams with Additions of Cards Format: on-line		20 - 40 Minutes
 9) Types of Maintenance Format: on-line		20 - 40 Minutes

Booking and Contacts

We are committed to working with you to understand your specific requirements and identify the best training solution for your team.

Please contact TÜV Rheinland Industrial Services Limited as listed below for either attendance at any of our planned open courses or if you would like to run a training course specific to your organisation.

For on-site training, a fixed price training proposal will be issued to you for your approval to proceed.

For course enquiries, contact our training team:
training@tuv.com

Alternatively, you can visit our website: [Training & Education | TÜV Rheinland](#) where you can see further details, dates and locations of all of our courses along with links to book your place online.

There are discounts available for multiple bookings on the same course:

- A discount of 10% per person applies to group bookings of 3 people
- A discount of 15% per person applies to group bookings of 4 people
- A discount of 20% per person applies to group bookings of 5 people

Here is a link to all our terms and conditions: [Terms & Conditions](#)

IF YOU WANT TO RECIEVE MORE INFORMATION ABOUT OUR TECHNICAL TRAINING COURSES



Opt-in to TÜV Rheinland Industrial Services to receive regular emails on technical training courses. Simply click the button above and send us an email with your contacts details. We will reply with a consent request for your approval. Alternatively, send an email to training@tuv.com with Opt-in as the title.

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Boaz House
Teesdale Business Park
Massey Rd
Stockton-on-Tees
TS17 6EX
United Kingdom

Website: [Learning and development](#)

