TECHNICAL
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ACADEMY

Operational Risk Management Center

COURSE PROGRAMME

000055

International Minimum Industry Safety Training



Learn from the Best in the Business!

Course overview

Duration: 3 days / 24 hours · Foundation level

Why take this course

This introductory safety training program is designed to introduce the fundamental safety elements of the oil & gas industry to new starts, giving an appreciation of the potential hazards and controls that might be encountered by personnel. It also ensures the knowledge and understanding of these basic safety elements are maintained and current amongst the existing workforce.

Who it is for and how it helps

All workers requiring basic awareness and/or a qualification in HSE. These may include field/operations staff, office workers, engineers, supervisors, project managers, and aspiring HSE professionals.

What you will learn

- List major and daily hazards that could occur in oil and gas operations
- Appreciate the importance of working safely and safety observation systems
- Understand the risk assessment process
- Articulate tasks that require permit to work
- Appreciate personal responsibility in maintaining asset integrity
- Use manual handling techniques
- Efficiently control the use of hazardous substances
- Apply knowledge and practices of working at height
- Be aware of key principles of safe mechanical lifting activities

Curriculum

Modules 01–05

01 Introduction to the hazardous environment

- Major hazards that could occur in oil and gas operations
- Daily hazards associated with living and working in oil and gas operations

02 Working safely including safety observation systems

- The legislative framework surrounding oil and gas operations
- Significant safety practices that have arisen with common regulations
- The significance of a Safety Case and personal access to the document
- The role of safety committees, safety meetings and safety representatives in oil and gas operations
- Toolbox Talks – what they include and where and when they should be held
- The function of a Safety Observation System and how to carry out an intervention
- Understanding how personal actions might influence safety

03 Understanding the risk assessment process

- The difference between hazard, risk and controls
- The steps of a risk assessment and the use of a risk matrix
- Applying controls to bring the risk down to ALARP
- The need for continuous risk assessment

04 Tasks that require permit to work

- Objectives of a PTW system and how permits are generated
- Using a PTW and how to re-instate the permits after breaks
- Personal responsibility in the PTW system

05 Personal responsibility in maintaining asset integrity

- The concept of asset integrity
- Why some items and systems are safety critical
- Employer responsibility for asset integrity
- Personal responsibilities for asset integrity

Curriculum

Modules 06–09

06 Using manual handling techniques every day

- The source of manual handling hazards in oil and gas operations and the types of injuries that might be sustained
- Factors contributing to manual handling incidents
- The importance of ergonomic design and the best methods for manually lifting objects
- Team operations and communication methods
- How mechanical aids reduce manual handling incidents

07 Controlling the use of hazardous substances

- Regulations and guidelines dealing with chemical hazards in oil and gas operations
- The sources of chemical hazards in oil and gas operations
- How personnel come into contact with hazardous substances
- Sensitisation and the difficulties of monitoring its effect
- Hazard symbols and common examples in oil and gas operations
- Employers' duties under regulations for hazardous substances
- Employees' duties with regulations for hazardous substances
- Reading labels on chemicals and using MSDS
- Monitoring workers' exposure
- PPE specific to chemical applications

08 Knowledge and practices of working at height

- What is meant by working at height and factors to consider before commencing work
- WAH hazards and how they can be controlled
- Basic use of ladders, scaffolding and MEWPS
- Signing for and being responsible for tools aloft

09 Being aware of mechanical lifting activities

- The magnitude of objects to be lifted in oil and gas operations and why lifting hazards need to be controlled
- Roles of the Competent Lifting person, the Banksman, Slinger and Rigger
- Personal responsibility such as obeying area restrictions and keeping clear of lifting operations

Curriculum

Pre-course requirements

- Базовое понимание о промышленной безопасности

Programme instructor



Александр Александрович

Александр Александрович – уникальный специалист в нефтегазовой отрасли с более чем 40-летним успешным опытом работы в ведущих компаниях, таких как «Тенгизшевройл», «Лукойл» и Saipem. Он получил образование по специальности «инженер-химик – технолог по переработке нефти и газа» в Пермском политехническом институте и прошел многочисленные курсы и обучающие программы в России и за рубежом.

Александр Александрович участвовал в реализации крупных российских и международных проектов, имеет многолетний опыт управления технологическими процессами по переработке нефти и газа с высоким содержанием H2S. Он работал начальником технологической установки по переработке сырья с высоким содержанием H2S и главным оператором технологических установок на Карачаганакском месторождении. Он также занимался проектированием и модернизацией трубопроводов и контролировал соблюдение техники безопасности в ходе строительства, пуско-наладки и пуска объектов по переработке нефти и газа, анализировал опасные факторы производства и расследовал производственные аварии.

Кроме того, Александр Александрович имеет опыт работы в области техники безопасности на строительстве нефтепровода и газопровода «Сахалин-2», руководил командой технического надзора на строительстве завода сжиженного природного газа, морских терминалов отгрузки нефти и сжиженного газа, а также руководил монтажом и контролем качества работ на Газокомпрессорных станциях трубопроводной системы Казахстан-Китай. Он также обустраивал кустовые скважины на месторождениях West Qurna-2 с нулевой отметки до пуска.

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Participant ratings

Programme evaluation based on participant feedback

Overall programme rating — 4.0 / 5

Clarity of learning objectives	**4.0 / 5**
Confidence in applying knowledge and skills	**3.5 / 5**
Achievement of learning objectives	**4.0 / 5**
Relevance of content to job tasks	**4.0 / 5**
Suitability of difficulty for the level of preparation	**4.5 / 5**
Increase in knowledge	**4.0 / 5**
Skills development	**4.0 / 5**
Willingness to recommend the programme to colleagues	**3.5 / 5**

2 responses

Joining the programme

Contact the Academy and quote course code 000055 to confirm dates, delivery format, prices and enrolment terms.

Training for your team

Tell us your business goals, the roles and number of participants, and your preferred dates and location. This will help us discuss the right training option.

Preparing for the programme

Read the pre-course requirements in this programme before enrolling.

Discuss your training needs

mail@tecedu.org
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