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PETROCHEMICAL INDUSTRY

COURSE PORTFOLIO

360° HSE AND DX SOLUTIONS

MSTS Asia


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Your global partner for
safety critical industries
and digital transformation
We help you to improve safety, competencies and
embrace the industry revolution 4.0

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Your global partner for safety critical industries and digital transformation

We help you to improve safety, competencies and embrace the industry revolution 4.0

2000 — First OPITO approved training centre in Malaysia

2002 — Established training centre in Johor

2003 — Obtained Marine Department accreditation

2004 — Established training centre in Miri

2006 — Accredited by NEBOSH (UK)

Awarded Industry Service Award 2006 & Corporate Branding Award 2006

2007 — Established training centre in Singapore

2008 — Established Falck Safety Services Thailand

2009 — Established first Falck Bestari Healthcare

2010 — Received OPITO award 2011

2012 — Received OPITO Award 2013

2014 — Established MSTS and RelyOn Bestari Clinic Cherating

2018 — Falck Safety Services changed its name to RelyOn Nutec

2019 — First and the only GWO approved training centre in Malaysia

2020 — Integration with Aberdeen Drilling School

RelyOn Nutec acquired Crescent and renamed as RelyOn Nutec Digital

2021 — MSTS Miri Training Centre moved to a new location

WAY FORWARD

EMBRACING DIGITAL TRANSFORMATION & TECHNOLOGY

OUR BUSINES at a glance

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SOLUTIONS & SERVICES

Training
30+ training centres in 20 countries

E-Learning
Learning anywhere and at anytime

Manged Services
Outsourced training and competence management

Consultancy
High-risk industry subject matter expertise

Digital Applications
Saas, eCoW, CCMS, Digital HSE, AI

Simulation
Cloud and on premise

Healthcare
Clinics with wide range of medical services

INDUSTRIES

Petrochemicals
- Operations
- Process & Production
- Management

Renewables
- Wind
- Solar

Oil and gas
- Upstream
- Midstream
- Downstream

Other Safety Critical Industries
- Maritime
- Manufacturing
- Construction
- Utilities
- Public

LOCATIONS

Global training

20	Countries
+30	Training centres
+250k	Trained annually
+30	International certifications

Asia 7
Johor, Sarawak, Pahang, Kuala Lumpur, Singapore, Thailand, Indonesia
Clinics: Johor & Pahang

Americas 13

Europe 10

Middle East 4

HEALTH, SAFETY AND ENVIRONMENT

360° HSE AND DX SOLUTIONS

MSTS Asia

HEALTH, SAFETY AND ENVIRONMENT PROGRAM

FACE TO FACE / HYBRID

Basic (Entry Level / Operators)

- ❑ Fundamentals of HSE
- ❑ Respirator Fit test
- ❑ Working at Height

Intermediate (Government Regulated Training)

- ❑ AESP
- ❑ AGTES
- ❑ Supervisory Safety

Advanced (HSE Managers & Specialist)

- ❑ Process safety
- ❑ HSE 4.0
- ❑ International General Certificate (NEBOSH)
- ❑ Oil & Gas technical certificate (NEBOSH)
- ❑ Modern Safety Management
- ❑ Leadership programs

E-LEARNING

Basic (Entry Level / Operators)

- ❑ Worksafe Essentials
- ❑ Hydrogen Sulphide (H2S) Awareness

Intermediate (Supervisors & above)

- ❑ Worksafe Essentials Plus
- ❑ Major Accident Hazards
- ❑ Mercury Awareness

Advanced (HSE Managers)

- ❑ Bespoke modules available on request

WEBINAR 04

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COURSE

FUNDAMENTAL OF HEALTH AND SAFETY AT WORK

ACCREDITATION

MSTS ASIA

COURSE AIM AND OBJECTIVES

'Fundamentals of Health and Safety at Work' has been designed for all employees to ensure an understanding of the hazards and risks that exist in the workplace and to encourage close cooperation with the employer on all matters of health & safety.

COURSE LEARNING OUTCOMES

Module 1: Introduction to Health and Safety at Work

Following this module, delegates must be able to:

1. Explain why it is important to work safely
2. Identify everyone's responsibilities in relation to safety and health in the workplace

Module 2: Definition of Hazards & Risks

Following this module, delegates must be able to:

1. Define key terms in Safety and Health
2. Identify the general workplace hazards and risks, their impact and how to control them

Module 3: Hazard Identification

Following this module, delegates must be able to:

1. Identify specific workplace hazards and risks, their impact and how to control them

Following this module, delegates must be able to:

1. Identify ways safety, health and wellbeing are managed and improved within the workplace.
2. Explain the term pandemic, chain of infection and control measures

FUNDAMENTAL OF HEALTH AND SAFETY AT WORK

PRE-REQUISITES

No pre-requisites are required.

COURSE OUTLINE

Importance of Health and Safety at Work
Who is Responsible for Safety and Health in the Workplace?
Employer Responsibilities
Employee Responsibilities
Types of Hazards
Hazards that are Difficult to Identify
What is a Hazard?
What is a Risk
What is a Risk Assessment?
Likelihood and Consequences
Hierarchy of Control
As Low as Reasonability Practicable
Managing Safety at the Workplace
How workers can Improve Safety
Behavioral Safety
Safe Systems of Work
Permit to Work
Safety Signages
Chemicals and Harmful Substances to Identify
Manual Handling
Noise
Display Screen Equipment
Personal Hygiene
Conned Space Entry
Plant and Machinery
Electricity
Slips, Trips and Falls
Fire
Stress
Working at Height
Working in Hot Environments
Lighting
Vehicles at the Workplace
Personal Protective Equipment (PPE)
Duty of Safety Committees and Safety and Health Officers
Emergency Procedures
Incidents, Accidents and Near Misses including reporting
Pandemic Awareness

TARGET GROUP

This programme is designed for all industries
Hotel, Manufacturing, Shopping Complex, construction
•*Health & Safety Committee Members*
•*Managers, Engineers, Supervisors and Employees and any others*

DURATION

1 Day

CERTIFICATE VALIDITY

There is no expiry for this training

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RESPIRATOR FIT TESTING

ACCREDITATION

Petronas MPM

AIMS AND OBJECTIVES

The aims and objectives of respirator fit testing is to verify that the selected make, model and size of a facepiece adequately accommodate an individual's facial characteristics, and that this provides assurance that the wearer can don the facepiece properly and can achieve the anticipated protection during use.

The fit test measures the seal between the respirator's face piece and user's face. The test protocol conducted verifies whether a specific model, type and size of a respirator can adequately fit specific personnel.

RESPIRATOR FIT TEST OUTLINE

- In many of today's workplace environments, a respirator and a proper respirator fit test are critical components of employee respiratory protection.
- Fire service and law enforcement employees, as well as industrial companies and healthcare professionals have come to depend on properly fitting respirators for protection from respiratory hazards, such as chemical and environmental hazards, as well as airborne biohazards.
- When implemented correctly, a respirator fit testing program can help ensure that the highest respiratory protection levels are achieved through a properly sized and donned respirator.
- Our respirator fit testing equipment measures real-time fit while the user simultaneously performs a series of moving, breathing and talking exercises designed to simulate the same movements made in the field. With step-by-step guidance, the instrument walks you through the fit test.
- Once the fit test is complete, it is easy to generate reports. The test results load into a database for retrieval and regulatory compliance.
- Passing a real-time quantitative respirator fit test proves that the face piece is sized and donned correctly, as well as provides for valuable opportunity for training.


Respirator Fit Testing

PRE-REQUISITES

Personnel are to provide details of the of the type of mask used. In order to minimize the risk of leakage and maximize the quality of respirator fit:

1. Personnel are recommended to have a clean shave.
2. Personnel with long hair must tie their hair up.
3. Any jewelry on the face or around the face shall be removed during the fit test.

RESPIRATORY TESTING REQUIREMENT

The modified CNC protocols are now faster, are completely automated, and more streamlined compared to all other fit test methods. The new protocols require fewer, shorter fit test exercises. Instead of eight exercises, the new rules require four. Total fit test time is reduced from 7:15 minutes to 2:29 minutes.

It includes four of the eight original test exercises

1. Bending Over
2. Jogging
3. Head Side to Side
4. Head Up and Down).

TARGET GROUP

The fit test is essential for personnel who are working in the upstream oil and gas industry initially assigned to a job that requires the use of tight-fitting respirators.

DURATION

Approximately 10 minutes per individual

CERTIFICATE VALIDITY

The validity of the certificate is 2 years.

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SD29

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COURSE

WORKING AT HEIGHT – LEVEL 1

ACCREDITATION

MSTS ASIA

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COURSE OBJECTIVE

During the course delegates will gain an awareness of the applicable legislation, the potential hazards and PPE requirements related to Working at Height.

LEARNING OUTCOMES

To successfully complete this training delegates must be able to explain and demonstrate the following:

1) **Principles of Working at Height**
2) **Activities related to Working at Height**
3) **Legislation – Act, Regulations, Guidelines relating to Working at Height**
4) **Hazards related to Working at Height**
5) **Hazard Management & Control**
6) **Equipment used for Working at Height and its application**
7) **PPE required for Working at Height**

PREREQUISITES

All delegates must be in possession of a valid medical certificate

TARGET GROUP

This course is designed for personnel exposed to working at height where there is a risk of a fall liable to cause personal injury. This includes the work of scaffolders, plant operators, construction workers and maintenance personnel.

DURATION

1 day

VALIDITY

3 years

HS4 DO

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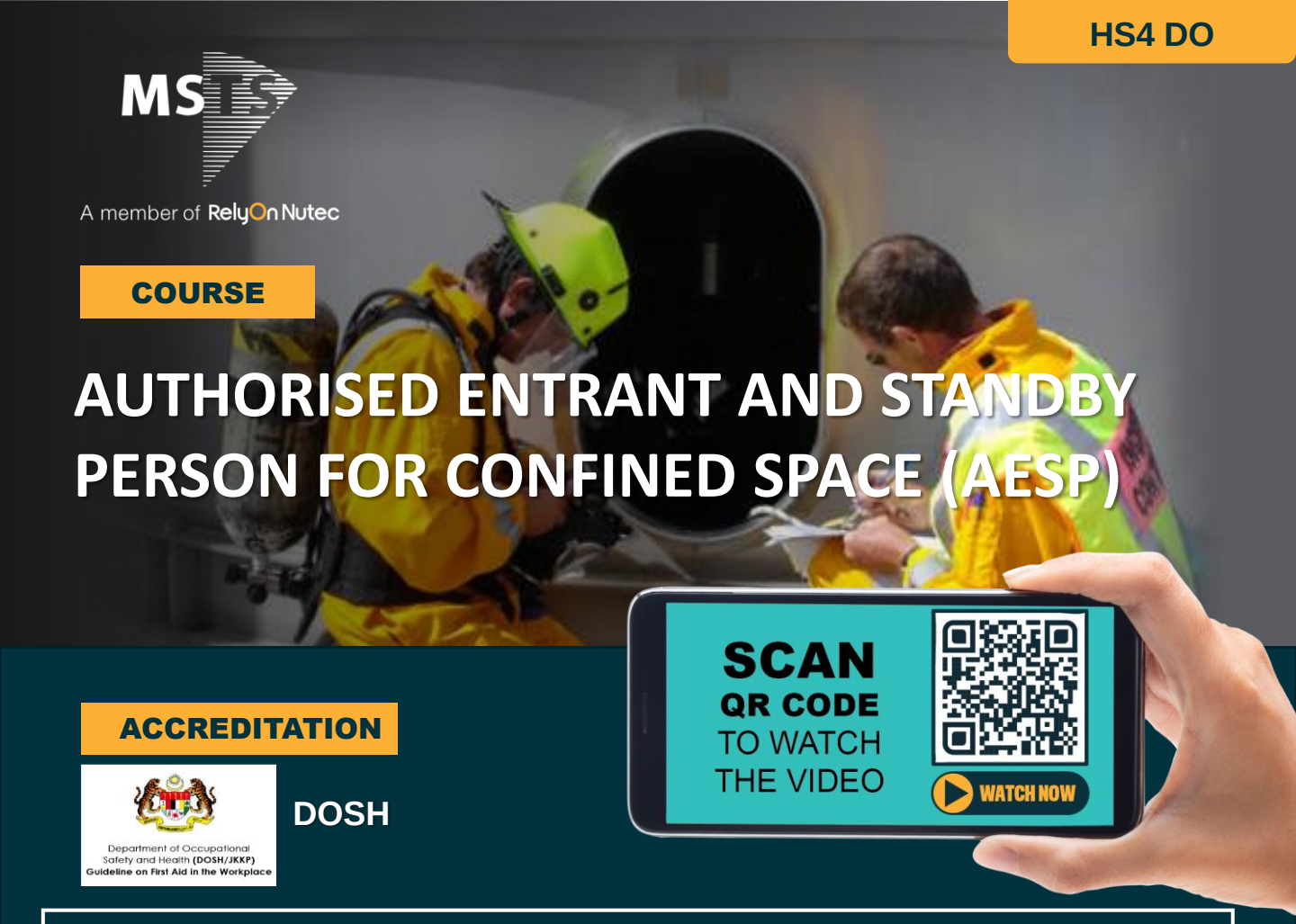
COURSE

AUTHORISED ENTRANT AND STANDBY PERSON FOR CONFINED SPACE (AESP)



ACCREDITATION

Department of Occupational Safety and Health (DOSH/JKKP)
Guideline on First Aid in the Workplace

DOSH

COURSE OBJECTIVE

During the course delegate will gain required knowledge and understanding of the particular hazards and properties related with confined space and procedure of entry. Appropriate action taken when emergency arise. Legislation required by following Industrial Code of Practice for Confined Space (2010).

LEARNING OUTCOMES

At the end of the course, the participant will be able to:

1) Describe the regulations and code of practice of confined space work;
2) Identify hazards prior to and during entry into the confined space;
3) Be familiar with the common confined space entry equipment, i.e. Gas Detector, ELSA, Man Riding Winch, Tripod, etc.;
4) Test and interpret the gas test result;
5) Demonstrate the gas testing operations and the procedure to be taken in the event of an emergency; and
6) Be certified as an Authorised Gas Tester & Entry Supervisor

Authorised Entrant and Standby Person for Confined Space (AESP)

COURSE OUTLINE

The following topics will be presented;

1. Identifying confined spaces and its characteristics.
2. Hazards associated to the type of confined space.
3. Legislation related to the confined space.
4. Effects from exposing to hazard.
5. PPE related with confined space activities.
6. Entry and evacuation procedure.
7. Duties within the working environment.
8. Action taken in emergency situation.
9. Oral and practical assessment

PRE-REQUISITES

No prerequisites are required to attend this training.

TARGET GROUP

This course is designed for all personnel especially for who are working or could be working in confined space

DURATION

2 Days

CERTIFICATE VALIDITY

2 Years

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HS46 DO

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COURSE

AUTHORIZED GAS TESTER AND ENTRY SUPERVISOR FOR CONFINED SPACE (AGTES)

ACCREDITATION

Department of Occupational Safety and Health (DOSH/JKKP) Guideline on First Aid in the Workplace

DOSH

COURSE AIM

During the course delegates will gain an understanding on confined space risk assessment and recommend control measures, managed the confined space equipment, test the confined space atmosphere and interpret the reading, perform duty to assess and supervise the confined space entry operations, conduct toolbox/briefing to the entry team on the confined space emergency procedures and fulfil the registration requirements as a competent Authorised Gas Tester and Entry Supervisor

LEARNING OUTCOMES

To successfully complete this training delegates must be able to explain and demonstrate the following:

1. Conduct Confined Space Risk Assessment and recommend control measures.
2. Use and manage the confined space equipment.
3. Test the confined space atmosphere and interpret the reading
4. Perform duty to assess and supervise the confined space entry operation
5. Conduct toolbox/briefing to the entry team on the confined space emergency procedures.
6. Fulfil the registration requirements as a competent Authorised Gas Tester and Entry Supervisor.

Authorized Gas Tester and Entry Supervisor for Confined Space (AGTES)

PRE-REQUISITES

Malaysia Nationality.

1. Attended and passed the Authorised Entrant & Stand-by Person for Confined Space (AESP) course.
2. Possess valid AESP card
3. Physically and mentally fit to enter the confined space as stated in the Health Examination checklist (ICOP for Confined Space 2010).
4. Posses a minimum of SPM subject in Science or 10 years working experience in Confined Space

COURSE TOPICS

1. Legal Requirements
2. Hazards in Confined Space
3. Procedures of Entry
4. Confined Space Risk Assessment
5. Gas Detection System
6. Ventilation System
7. Respiratory Protection Devices
8. Emergency Preparedness and Rescue Plan

TARGET GROUP

This course is designed for all personnel who involved in confined space works and intend to be a competent Authorized Gas Tester

DURATION

3 Days

CERTIFICATE VALIDITY

2 Years

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COURSE

SUPERVISORY SAFETY

ACCREDITATION

MSTS ASIA

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AIM & OBJECTIVES

During the course delegates will gain understanding on managing the workforce on working safely, carrying out effective toolbox meetings, job safety analysis, accident investigation, unsafe act and unsafe condition auditing and identifying, controlling and eliminating hazards.

LEARNING OUTCOMES

Upon completion of the course, delegates will be able to understand;

1. The legislative framework in Western Australia and how it will be changing
2. Duty of care provisions of the Occupational Safety and Health Act 1984
3. Requirements for providing information, instruction, training and supervision
4. Hazard identification and risk evaluation
5. How to access information on Workplace Health and Safety
6. Principles of incident and accident investigation.
7. Requirements for formal consultative processes

PRE-REQUISITES

All delegates must be in possession of a valid medical certificate.

COURSE OUTLINE

During the training programme, delegates will learn about these topics:

1. Definition of Occupational Safety and Health
2. Health & Safety Legislation
3. Responsibility and Accountability for Safety
4. Definition of an Occupational Hazards and Risks
5. Hazards in the Workplace - HIRARC
6. Causes of Accidents
7. Accident Investigation and Accident Prevention
8. Safe Working Procedures - JSA, PTW, LOTO, STOP, ACT
9. Safety Audits
10. Communicating Safety
11. Safety Management System and Safety Culture
12. Handling Hazardous Materials
13. Fire Safety and Awareness

TARGET GROUP

This course is designed for work site supervisors, foremen and team leaders.

CERTIFICATE VALIDITY

3 years

DURATION

2 Days

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COURSE

PROCESS SAFETY

ACCREDITATION

MSTS ASIA

COURSE AIM AND OBJECTIVES

The course covers topics including the concept of process safety, anatomy of process safety incidents, major accidents, management system, process safety consequence, process safety strategies, layers of protection and taking advantage of past experiences.

COURSE LEARNING OUTCOMES

By the end of the course, participants will understand:

- The key principles of process safety and its management
- The human, environmental and business consequences of poor process safety
- The key factors influencing the basis of process safety
- The hazards associated with a process plant and how the risks can be controlled
- The key process safety requirements at each stage in the life cycle of a process plant from conceptual design through to operation, maintenance and modification
- The interdependence of and the need for overall organization process safety management capability
- How to acquire further knowledge and understanding of process safety management.

PRE-REQUISITES

No pre-requisites are required.

COURSE OUTLINE

Topics covered includes

- The importance of process safety
- A model for process safety
- Hazard and risk
- Hazard identification and evaluation
- Consequences – toxicity and fires
- Consequences – explosions
- Chemical reactions
- Flammable atmospheres
- Project development
- Design safety
- Risk assessment
- Operations
- Asset integrity
- Management of change
- Management systems
- Human factors
- Leadership and culture
- Process safety performance
- Emergency response

TARGET GROUP

Managers, supervisors, engineers, safety personnel, and others involved in the design, operation, modification or maintenance of major hazard or other process plant

DURATION

2 Days

CERTIFICATE VALIDITY

There is no expiry for this training

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COURSE

THE FOUNDATION OF HSE 4.0 FOR THE NEW NORMAL

ACCREDITATION

MSTS ASIA

COURSE OBJECTIVES

- Understanding the Digital Transformation, 4th Industrial Revolution, Industry 4.0 and HSE 4.0, road-map and strategy
- Understanding of the various field of core technology which enabled the HSE 4.0 transformation such as IoT, Cloud Computing, Big Data Analytics, Cybersecurity, Additive Manufacturing, Autonomous COBOT, Artificial Intelligence, and Augmented Reality.
- Understanding and learning about the HSE 4.0 model and framework and its core technology driver

COURSE LEARNING OUTCOMES

By the end of the program, participants will be able to:

- First level awareness about digital transformation in the field of HSE 4.0 and industry's best practices
- Exposure to the core technology driver which will influence the transformation towards the 4th Industrial Revolution and the New Normal
- Ready to take up next challenge to start the transformation process including learning the higher-level technological concepts and application

PRE-REQUISITES

None. Come with open-minded and ready to embrace change

COURSE CONTENT

1 Introduction & Overview

2 Introducing to Digital Transformation, the 4TH IR & HSE 4.0

3 HSE 4.0 Technology enablers & technology advancement

4 Transformation & Key Challenges

5 Embrace Change & New Normal

TARGET GROUP

This programme is designed for,

- Executive and above
- Senior Management & Leadership Team

DURATION

- 1 Day – LIVE Online Class or,
- 4 hours per day for 2-Days
- Total hours: 8 hours

CERTIFICATE VALIDITY

There is no expiry for this training

HS31

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COURSE

INTERNATIONAL GENERAL CERTIFICATE IN OCCUPATIONAL HEALTH & SAFETY (UK NEBOSH)

ACCREDITATION

AIM & OBJECTIVES

The aim and objectives of the International General Certificate in Occupational Health and Safety (UK NEBOSH) is to ensure that personnel will gain an appropriate breadth of underpinning knowledge in occupational health & safety which enable them to discharge effectively their organizational duties or functions with respect to workplace health & safety. This course will also benefit multinational companies as it provides a sound basis for evaluating risks and hazards in any country, in any business. All certificates will be awarded by NEBOSH (UK).

LEARNING OUTCOMES

To successfully complete this training delegates must be able to demonstrate understanding of the following:

1) **Health & Safety Foundations**
2) **Setting Policy for Health & Safety**
3) **Organizing for Health & Safety**
4) **Promoting a Positive Health & Safety Culture**
5) **Health & Safety Risk Assessment**
6) **Principles of Control in Health & Safety**
7) **Movement of People and Vehicles – hazards and control**
8) **Manual and Mechanical Handling – hazards and control**
9) **Work Equipment Hazards and Control**
10) **Electrical Hazards and Control**

LEARNING OUTCOMES (cont.)

To successfully complete this training delegates must demonstrate understanding on:

11) Fire Hazards and Control

12) Chemical and Biological Health Hazards and Control

13) Physical and Psychological Health Hazards and Control

14) Construction Activities Hazards and Control

15) Investigation, recording and reporting of health and safety incidents

16) Monitoring, review and audit of health and safety performance

PRE-REQUISITES

All delegates must be in possession of a valid medical certificate.

TARGET GROUP

This course is designed for managers, supervisors, worker representatives and others who require a knowledge and understanding of health & safety principles and practices. This course is also suitable for those embarking on a career in health & safety, providing a valuable foundation for further professional study.

DURATION

12 Days.

Upon completion of the course, a written and practical examinations will be conducted and marked by NEBOSH (UK).

CERTIFICATE VALIDITY

Not applicable

HS39

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COURSE

INTERNATIONAL TECHNICAL CERTIFICATE IN OIL AND GAS OPERATIONAL SAFETY

ACCREDITATION

nebosh

AIM & OBJECTIVES

During the course delegates will gain the required knowledge and understanding that focuses on operational process safety. The course is intended to enable candidates to apply and implement effective process safety management

LEARNING OUTCOMES

To successfully complete this training delegates must be able to demonstrate understanding of the following:

1) **Hazards inherent in oil and gas**
2) **Risk management techniques used in the oil and gas industries**
3) **Safety cases and safety reports**
4) **Process safety management**
5) **Role and purpose of Permit to Work**
6) **Key principles of safe shift handover**
7) **Plant operations and maintenance**
8) **Safety critical equipment controls**
9) **Safe storage of hydrocarbons**
10) **Furnace and boiler operations**
11) **Fire protection and emergency response**
12) **Logistics and Transport Operations**

International Technical Certificate In Oil And Gas Operational Safety

PRE-REQUISITES

Proficiency in written and spoken English is required for this course. Some prior working experience in the Oil & Gas industry is recommended.

TARGET GROUP

HSE personnel, managers, supervisors and employee representatives within the oil and gas industry.

DURATION

5 and 1/2 days

CERTIFICATE VALIDITY

Not applicable

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COURSE

MODERN SAFETY MANAGEMENT

ACCREDITATION

MSTS ASIA

COURSE AIM AND OBJECTIVES

This course provides participants with the fundamental concepts, tools and techniques for effective safety management

COURSE LEARNING OUTCOMES

On completion of a Modern safety management course the participant will:

- Understand the activities that have proven effective in managing workplace safety
- Be able to apply fundamental concepts and tools to implement an effective safety management system
- Understand the processes and activities that have proven effective in managing risks and ensuring safe and sustainable operations
- Be able to apply practical techniques for risk identification, evaluation and control
- Know how to apply behaviour management techniques
- Be a more effective leader in safety management.

PRE-REQUISITES

No pre-requisites are required.

COURSE DESCRIPTION

Modern safety management is the most widely attended course of its kind in the world. Modern safety management is based on proven principles of safety management and provides participants with the fundamental concepts and techniques for a practical, proactive approach to managing safety and controlling losses.

TARGET GROUP

Modern safety management is recommended for safety managers, risk managers, supervisors and other operating managers who have management system responsibilities. Modern Safety Management is a foundation course

DURATION

2 Days

CERTIFICATE VALIDITY

There is no expiry for this training

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WORK SAFE ESSENTIALS

E-LEARNING

HRDCORP CLAIMABLE

AN ESSENTIAL PROGRAM FOR YOUR

ENTIRE WORKFORCE!

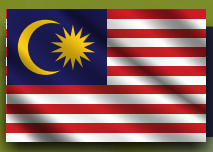
Our worksafe essential programs are designed for all levels of your organisation to improve the overall safety awareness of the workforce. They provide employees with in depth understanding of how their actions contribute to safety, health and well-being, as well as their individual safety responsibilities in keeping themselves and others safe at work.

Develop your team through e-learning at their own pace, and own place with unlimited access to completion.

AN E-LEARNING PROGRAM THAT WILL ENHANCE YOUR SAFETY PERFORMANCE

HRDCORP CLAIMABLE

Sign up today via www.relyonnutec.com



Now available in Bahasa Malaysia!

E-LEARNING TITLE	DURATION	WORK SAFE ESSENTIALS For all job level (non-executive and above)	WORK SAFE ESSENTIALS + The best program for executive level and above
Manual Handling	30 mins	✓	✓
Working At Height	60 mins	✓	✓
Slips, Trips and Falls	30 mins	✓	✓
Fire Safety Awareness	45 mins	✓	✓
Noise Awareness	30 mins	✓	✓
PPE Awareness	25 mins	✓	✓
Control of Substances Hazardous to Health (COSHH)	40 mins	✓	✓
Hazard Awareness and Identification	60 mins	✓	✓
Dropped Objects	30 mins	✓	✓
Hand Safety	25 mins	✓	✓
Asbestos Awareness	40 mins		✓
Stress Management	30 mins		✓
Mental Health Awareness	25 mins		✓
Workplace Hazards and Personal Safety	60 mins		✓
Waste Management Awareness	30 mins		✓
TOTAL TRAINING HOURS		**6.2 HOURS**	**9.3 HOURS**

Please contact our booking office to get more details and pricing:

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Range: Safety Awareness

Manual Handling Awareness

Focus : Health and Safety | Oil and Gas
Duration : 30 minutes **Questions :** 20
Price band : A **Language :** English | Brazilian Portuguese | Spanish

Course outline: The course is available in the following languages: English; Brazilian Portuguese, Spanish

This manual handling course is suitable for all employees involved in any manual handling operation. It deals with all aspects of manual handling, including lifting, pushing and pulling, relevant safety legislation and manual handling risk assessments. This course is developed to HSE and NR17 standards.

Learning objectives:

LO1: Explain what manual handling is
LO2: Describe the structure of the human spine
LO3: Identify factors that contribute to manual handling incidents
LO4: Identify the common causes and injuries involved in manual handling
LO5: Identify proper lifting techniques and the importance of ergonomic design
LO6: Identify ways to reduce manual handling incidents
LO7: Identify the purpose, factors and responsibility of the risk assessment

E-learning

RelyOn Nutec

Range: Safety Awareness

Working At Height

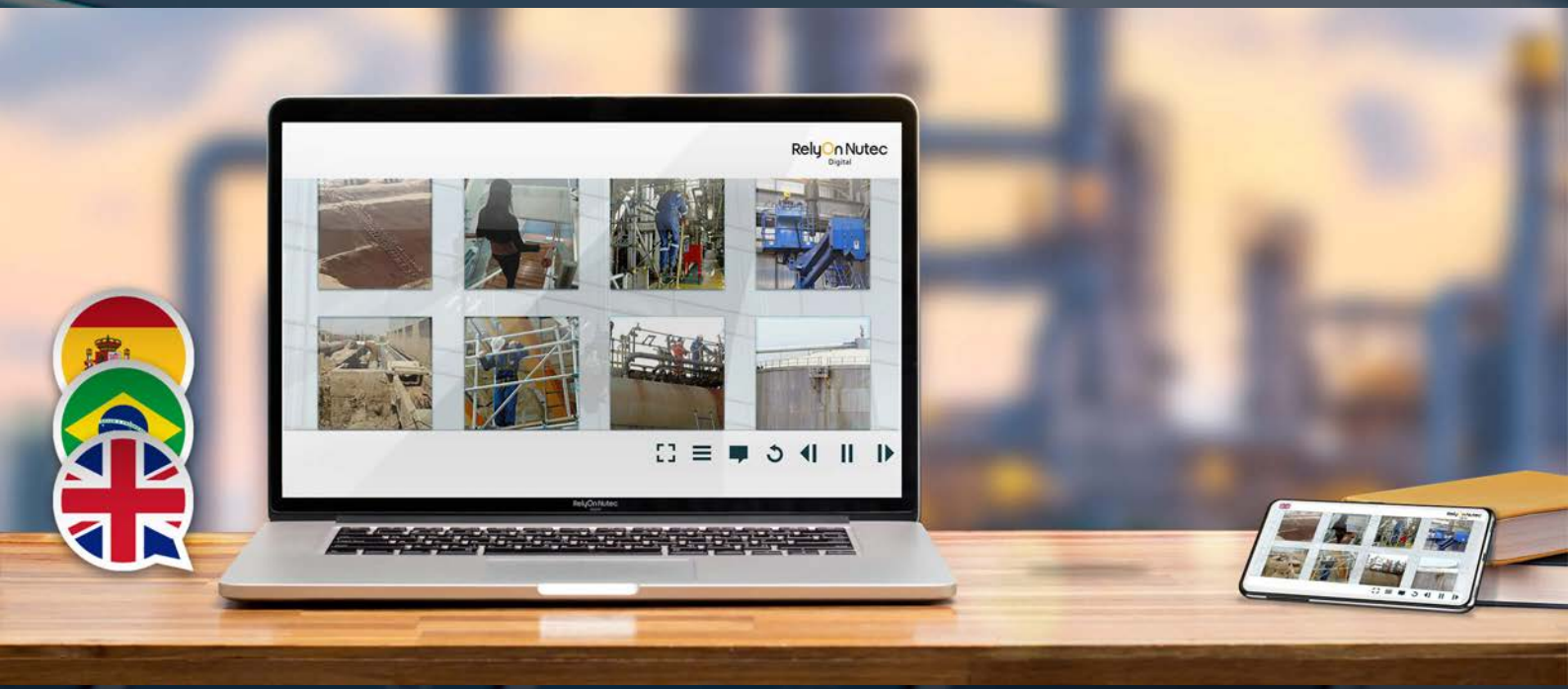
Focus : Health and Safety | Oil and Gas
Duration : 60 minutes **Questions :** 20
Price band : A **Language :** English | Brazilian Portuguese | Spanish

Course outline: The course is available in the following languages: English; Brazilian Portuguese; Spanish.

The aim of this course is to provide you with the knowledge to work at height safely. You will learn about the hazards of working at height, the controls that must be in place to help keep you safe and the Personal Protective Equipment, or PPE, that you must wear whilst you are working at height.

Learning objectives:

LO1: Describe what working at height is
LO2: State the risks associated with working at height
LO3: Explain the steps for assessing the safest way to work at height
LO4: Describe considerations when choosing safe access to work at height
LO5: List the equipment that could be used to access work at height and their safety implications
LO6: Identify the responsibilities of each person working at height
LO7: Describe some of the controls that should be put in place when working at height
LO8: Identify Personal Protective Equipment (PPE) requirements for working at height
LO9: Describe equipment inspection requirements
LO10: Describe a dropped object and how to prevent it
LO11: Find examples of controls that must be in place



Range: Safety Awareness

Slips, Trips and Falls

Focus : Health and Safety | Oil and Gas
Duration : 30 minutes **Questions :** 20
Price band : A **Language :** English | Brazilian Portuguese | Spanish

Course outline: The course is available in the following languages: English; Brazilian Portuguese; Spanish.

Slips, trips and falls are the most common cause of major injuries at work and can happen almost anywhere. They are the leading cause of work related injuries and fatalities.

Learning objectives:

LO1: Outline the legislation and guidance that refers to slips, trips and falls
LO2: Outline the impact of slips, trips and falls on accidents statistics
LO3: Give an overview of slips, trips and fall hazards
LO4: Give an overview of slips, trips and fall hazards offshore
LO5: Give an overview of slips, trips and fall hazards in the office and at home
LO6: Give an overview of the importance of good housekeeping
LO7: Outline the typical hazards involved in work at height
LO8: Describe the prevention of falls from height
LO9: Give an overview of ladder safety
LO10: Explain the trailing hand technique

Range: Safety Awareness

Fire Safety Awareness

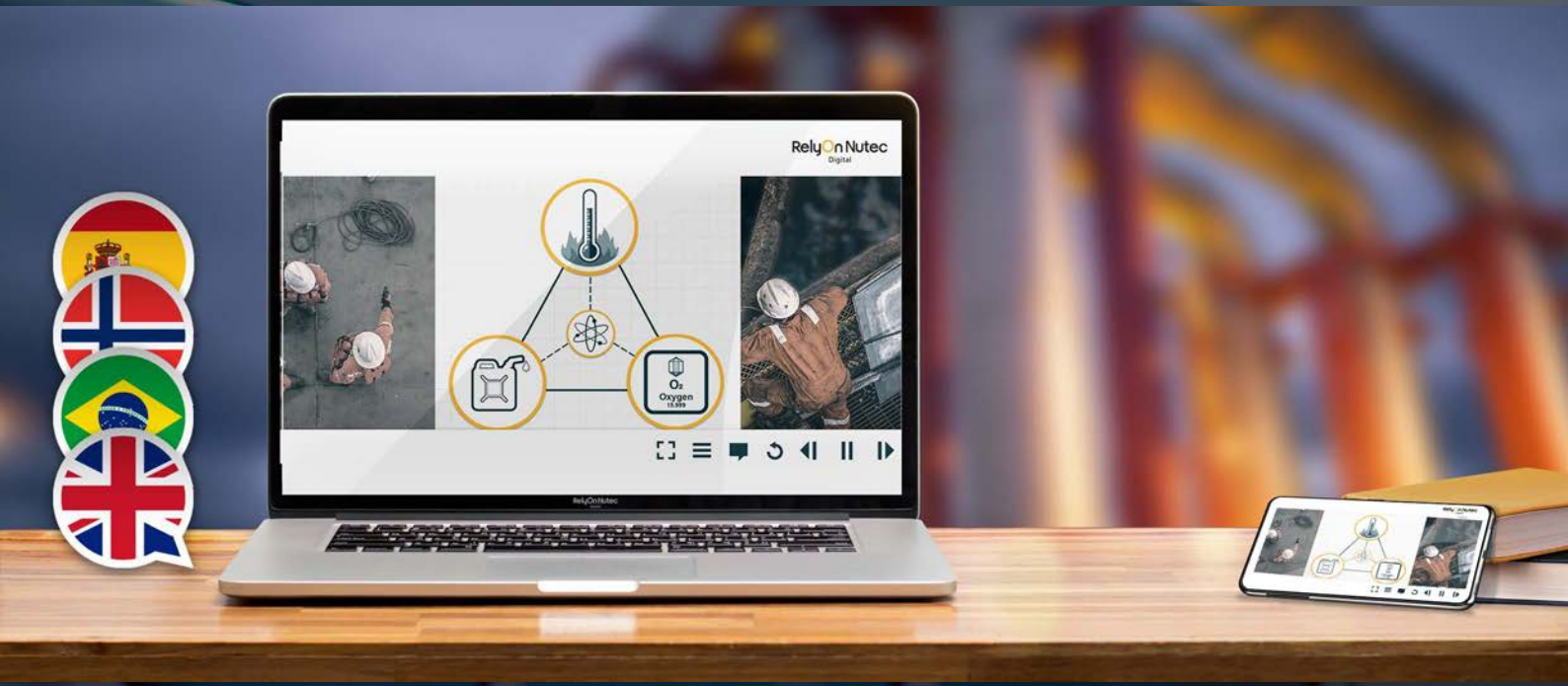
Focus : Health and Safety | Oil and Gas
Duration : 45 minutes **Questions :** 12
Price band : A **Language :** English | Brazilian Portuguese | Spanish | Norwegian

Course outline: The course is available in the following languages: English; Brazilian Portuguese; Spanish; Norwegian

This course provides delegates with an overall understanding of fire safety in the workplace. You will learn about relevant health and safety legislation, theory on the nature of fire and how it spreads, along with practical guidance on fire prevention and workplace firefighting equipment.

Learning objectives:

LO1: Identify relevant legislative requirements for fire safety in the workplace
LO2: Recognise the key roles and responsibilities of the employer and the employee
LO3: Explain how the Fire Tetrahedron works
LO4: Explain the contributing factors of fire spread and intensity
LO5: Identify the various types of fire gases
LO6: Recognise relevant fire signage used in the workplace
LO7: Identify potential fire hazards within the workplace
LO8: Explain good practice for workplace fire prevention
LO9: Describe the actions you should take in an emergency
LO10: Identify the various classes of fire and associated means of suppression
LO11: Explain how to safely use different extinguisher types
LO12: Recognise the various types of fixed fire prevention equipment found in the workplace



Range: Safety Awareness

Noise Awareness

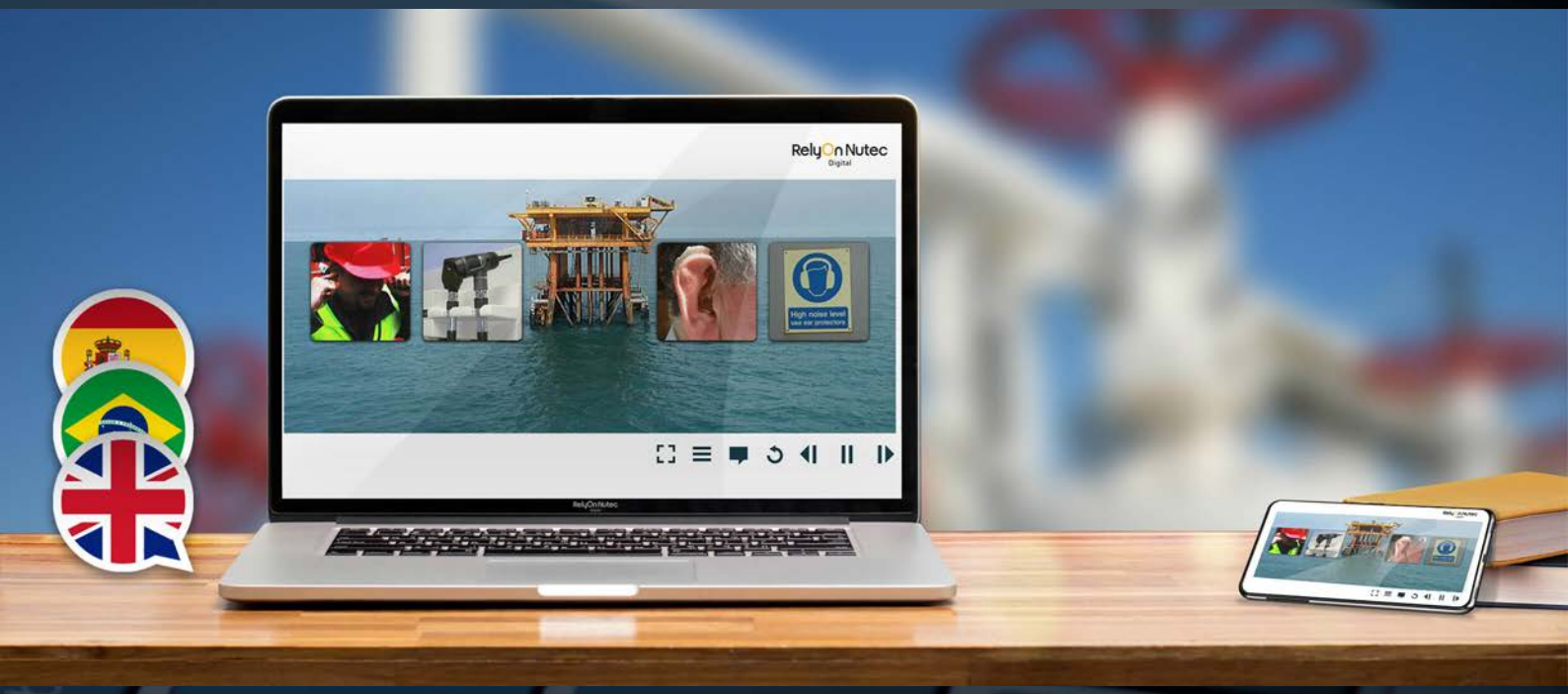
Focus : Health and Safety | Oil and Gas
Duration : 30 minutes **Questions :** 20
Price band : A **Language :** English | Brazilian Portuguese | Spanish

Course outline: The course is available in the following languages: English; Brazilian Portuguese; Spanish.

This course has been developed in conjunction with industry experts and provides an awareness of noise and vibration regulations, different noise levels found in industry, the human ear, the hazards associated with noisy environments and how we can control these.

Learning objectives:

LO1: Identify common noise hazards
LO2: State the Noise at Work regulations
LO3: Describe the human ear and the different noise exposure warning signs
LO4: State the different recommended noise limits
LO5: Identify the risks of noise exposure
LO6: Describe the different noise control measures that can be used
LO7: Describe the different types of hearing protection



Range: Safety Awareness

Personal Protective Equipment (PPE)

Focus : Health and Safety | Oil and Gas
Duration : 25 minutes **Questions :** 11
Price band : A **Language :** English | Brazilian Portuguese | Spanish

Course outline: The course is available in the following languages: English; Brazilian Portuguese; Spanish.

This course will help you to understand the importance of PPE used in hazardous workplace environments. You will learn about the responsibilities that you and your employer have in relation to PPE, and about suitable types of PPE that can help keep yourself and others safe in the workplace.

Learning objectives:

LO1: Explain the role of PPE in relation to the Hierarchy of Controls
LO2: Describe you and your employers responsibilities relating to PPE
LO3: Identify suitable types of PPE for specific tasks
LO4: Describe the types of PPE used to protect various parts of the body
LO5: Identify signage associated with PPE
LO6: Describe how to correctly use, store and dispose of PPE

Range: Safety Awareness

Control of Substances Hazardous to Health (COSHH)

Focus : Health and Safety | Oil and Gas
Duration : 40 minutes **Questions :** 20
Price band : A **Language :** English

Course outline: This Control of Substances Hazardous to Health course is suitable for all candidates working with hazardous substances on a regular basis. The content in this course has been developed by qualified chemists and fully satisfies the requirements of the UK COSHH Regulations.

Learning objectives:

LO1: Explain what COSHH is & why we need it
LO2: Explain the COSHH Regulations
LO3: Describe the employer and employee duties under the COSHH regulations
LO4: Identify how you may come into contact with a hazardous substance
LO5: Explain what a Safety Data Sheet is
LO6: Identify the COSHH hazard symbols
LO7: Describe the different control measures that can be used
LO8: Identify the personal protective equipment specific to chemical applications
LO9: Describe a COSHH Risk Assessment
LO10: Identify good practices related to COSHH

Range: Safety Awareness

Hazard Awareness and Identification

Focus : Health and Safety | Oil and Gas
Duration : 60 minutes **Questions :** 20
Price band : A **Language :** English | Brazilian Portuguese | Spanish |Norwegian

Course outline: The course is available in the following languages: English; Brazilian Portuguese; Spanish; Norwegian

This course is suitable for all employees working in hazardous industries. It has been developed in accordance with the 'Step Change in Safety' initiative which promotes the establishment, maintenance and development of hazard identification and risk assessment systems to provide a safer work environment. On successful completion of this course, candidates will have an excellent appreciation of the key features of hazard identification systems used throughout the oil and gas industry.

Learning objectives:

LO1: Explain what Hazard Identification is
LO2: Identify methods of hazard identification
LO3: Describe the different energy sources
LO4: Identify examples of control measures for each energy source
LO5: Identify contributing factors
LO6: Describe how you can use your senses to detect hazards
LO7: Explain the importance of good observation

Range: Safety Awareness

Control of Substances Hazardous to Health (COSHH)

Focus : Health and Safety | Oil and Gas
Duration : 40 minutes **Questions :** 20
Price band : A **Language :** English

Course outline: This Control of Substances Hazardous to Health course is suitable for all candidates working with hazardous substances on a regular basis. The content in this course has been developed by qualified chemists and fully satisfies the requirements of the UK COSHH Regulations.

Learning objectives:

LO1: Explain what COSHH is & why we need it
LO2: Explain the COSHH Regulations
LO3: Describe the employer and employee duties under the COSHH regulations
LO4: Identify how you may come into contact with a hazardous substance
LO5: Explain what a Safety Data Sheet is
LO6: Identify the COSHH hazard symbols
LO7: Describe the different control measures that can be used
LO8: Identify the personal protective equipment specific to chemical applications
LO9: Describe a COSHH Risk Assessment
LO10: Identify good practices related to COSHH

Range: Safety Awareness

Dropped Objects

Focus : Health and Safety | Oil and Gas
Duration : 30 minutes **Questions :** 5
Price band : A **Language :** English | Brazilian Portuguese | Spanish

Course outline: The course is available in the following languages: English; Brazilian Portuguese; Spanish

This course has been designed to give candidates an understanding of dropped objects, where they may occur, the associated risks, and employers and employees responsibilities for managing the risks associated.

Learning objectives:

LO1: Define what dropped objects are and where they may occur
LO2: Describe the dangers of dropped objects
LO3: Describe how to reduce or prevent the impact of dropped objects
LO4: Outline your employer's responsibilities for controlling dropped objects
LO5: Understand your responsibilities for controlling dropped objects

Range: Safety Awareness

Hand Safety

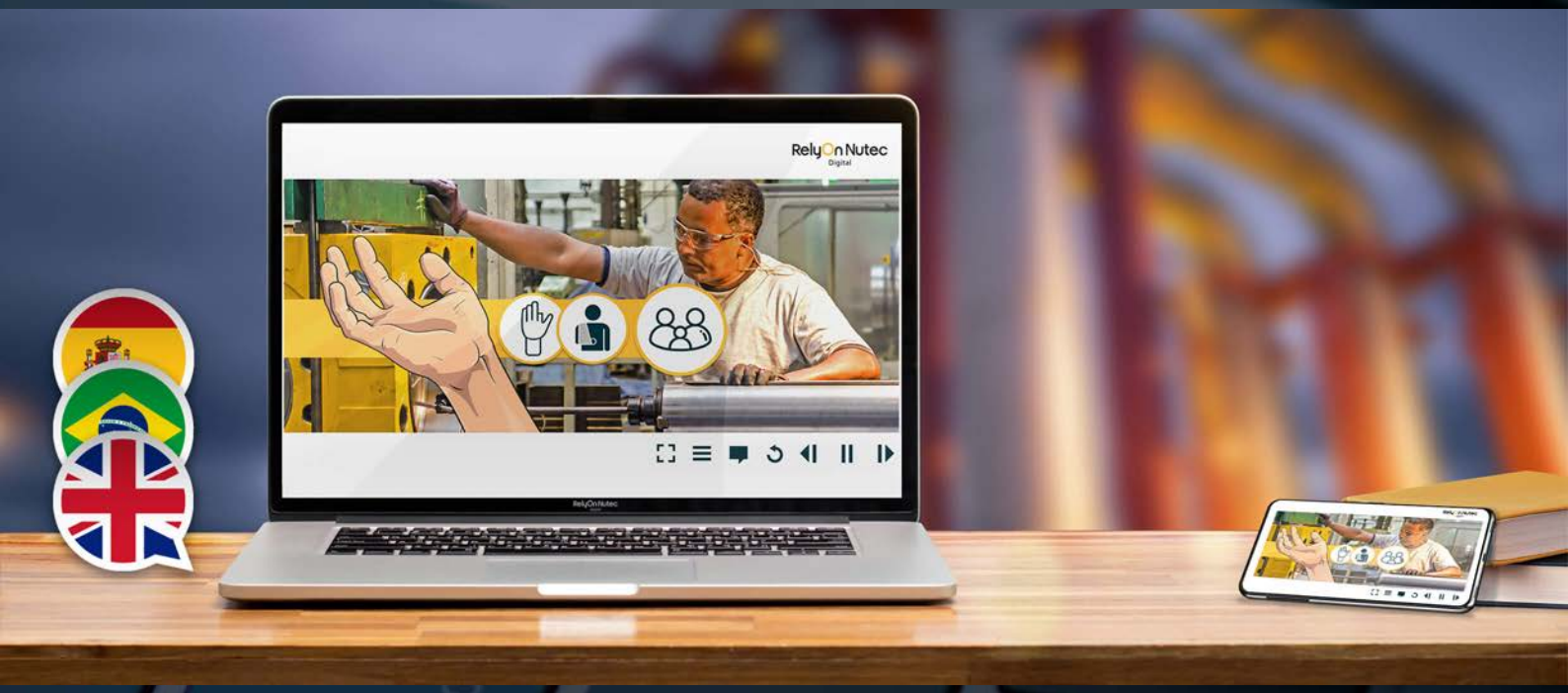
Focus : Health and Safety | Oil and Gas
Duration : 25 minutes **Questions :** 15
Price band : A **Language :** English | Brazilian Portuguese | Spanish

Course outline: The course is available in the following languages: English; Brazilian Portuguese; Spanish.

This course has been designed to provide an awareness of how, and why, a wide variety of hand related injuries can occur in the workplace. You will also learn how to treat specific injuries, along with practical advice on how to prevent them from occurring in the first place.

Learning objectives:

LO1: Understand the importance hands
LO2: List the common causes of hand injuries
LO3: Describe work related hand and finger injuries
LO4: Explain the different treatments for hand and finger injuries
LO5: Describe the hierarchy of controls
LO6: Explain how to avoid hand injuries during lifting activities
LO7: Explain how to select, use and care for gloves



Range: Safety Awareness

Asbestos Awareness

Focus : Health and Safety | Oil and Gas
Duration : 40 minutes **Questions :** 20
Price band : A **Language :** English | Brazilian Portuguese | Norwegian

Course outline: The course is available in the following languages: English; Brazilian Portuguese; Norwegian

This is an awareness course, suitable for all employees working in hazardous industries. Candidates will learn about what asbestos is and why it is dangerous, as well as where it will be found and what to do should any suspicious materials be found on site.

Learning objectives:

LO1: Describe the nature and properties of asbestos and its effects on health
LO2: List the types of asbestos and explain where asbestos and ACMs can be typically found
LO3: Recall the existence of general legislation in relation to health and safety and asbestos
LO4: Describe how to avoid the risks from asbestos
LO5: Explain where to obtain information on asbestos prior to commencing work
LO6: Explain what to do if suspicious materials are found
LO7: Describe appropriate workplace precautions, including the risk assessment process, with regards to the risks of asbestos
LO8: Explain how to undertake work activities in a safe manner and without risk to yourselves or others
LO9: List procedures to be followed when coming into unintentional contact with ACMs and the appropriate emergency arrangements
L1O: The limitations of this training course and what further training is required before working on or with ACMs

Range: Personal Effective Skills

Mental Health Awareness

Focus : Health and Safety | Oil and Gas | Maritime | Aviation | Defence | HMS |Industry |Security | Wind | Construction

Duration : 25 minutes **Questions :** 15

Price band : A **Language :** English

Course outline: The aim of this course is to provide you with a basic knowledge of mental health problems that can arise in the workplace, the symptoms of a mental health issue and how a mental health problem can be treated.

You will learn about how poor mental health can impact the workplace and how companies manage mental health issues through compliance with industry legislation and regulation.

Learning objectives:

LO1: Define mental health
LO2: Describe what constitutes good mental health
LO3: Describe what constitutes poor mental health
LO4: Explain mental health statistics in the workplace
LO5: Explain how work can affect mental health
LO6: Describe the common symptoms and signs of mental health illness
LO7: Describe the treatment of mental health illness
LO8: Explain industry legislation and regulation relating to mental health
LO9: Describe how to positively manage your mental health at work and those around you
LO10: Explain how employers manage mental health in the workplace and why raising awareness is so important

Range: Safety Awareness

Workplace Hazards and Personal Safety

Focus : Health and Safety | Oil and Gas
Duration : 60 minutes **Questions :** 28
Price band : A **Language :** English

Course outline: Welcome to this module on workplace hazards and personal safety. This module will inform you about the general hazards you will find offshore.

Learning objectives:

LO1: Describe the hazards and controls of confined spaces
LO2: Describe the hazards and controls of working at height
LO3: Describe the hazards and controls of suspended loads
LO4: Describe the hazards and controls of high-pressure systems and equipment
LO5: Describe the hazards and controls of flammable and explosive atmospheres
LO6: Describe the hazards and controls of moving and energised equipment
LO7: Describe COSHH
LO8: Describe the hazards and controls of manual handling
LO9: Describe the hazards and controls of the mechanical handling of heavy equipment
LO10: Describe the hazards and controls of vibration
LO11: Describe safety critical equipment and their different uses
LO12: Describe the hazards and controls of dropped objects
LO13: Describe noise hazards and how to control them
LO14: Describe the hazards and controls for slips, trips and falls
LO15: Explain process safety
LO16: Describe how you can be affected by fatigue
LO17: Explain the IOGP Life Saving Rules
LO18: Understand why you should use the correct PPE
LO19: Understand how personal actions affect work and others while on site
LO20: Describe the importance of communication and spatial awareness
LO21: Explain the reasons for reporting systems and the importance of stopping the job
LO22: Understand the role of safety committees and safety representatives

Range: Environmental

Waste Management Awareness

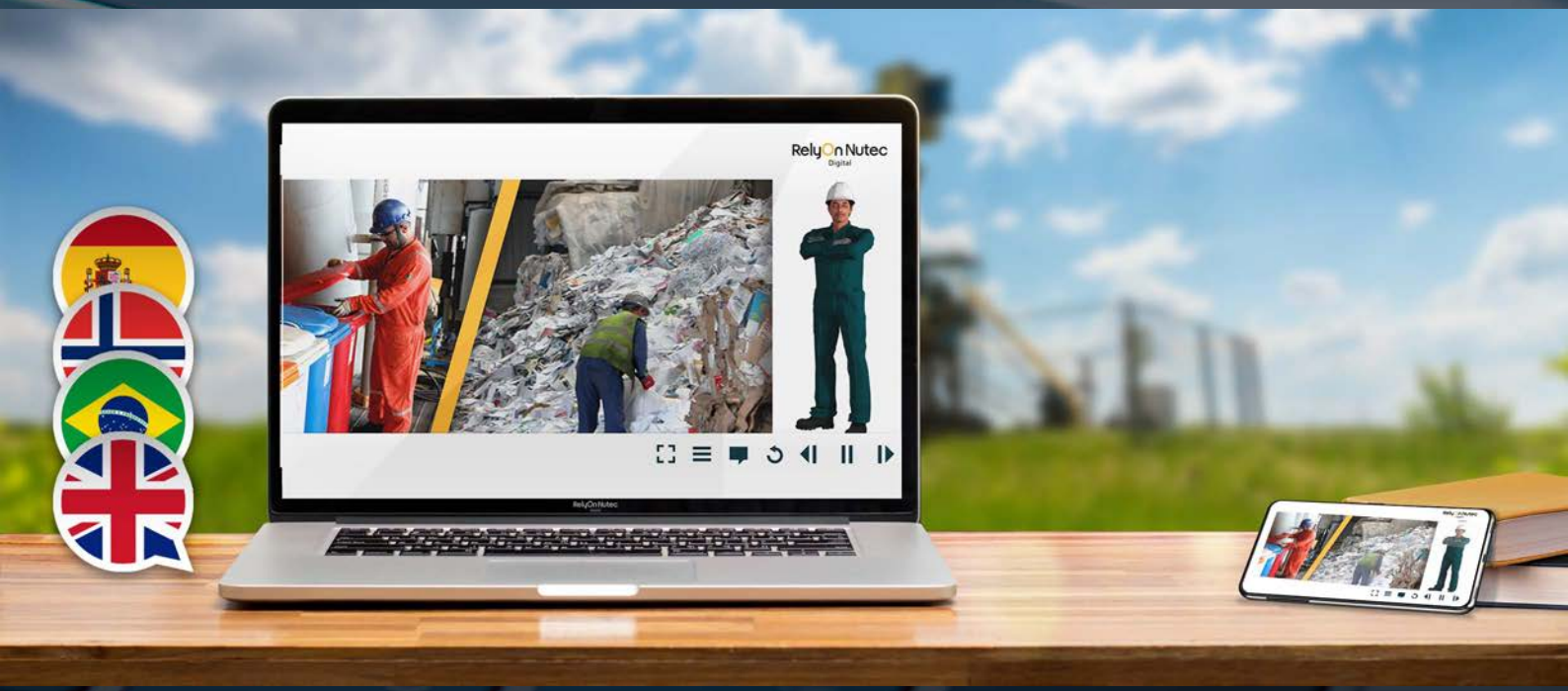
Focus : Health and Safety | Oil and Gas
Duration : 30 minutes **Questions :** 20
Price band : A **Language :** English | Brazilian Portuguese | Spanish| Norwegian

Course outline: The course is available in the following languages: English; Brazilian Portuguese; Spanish; Norwegian

This course explains the legal requirements and the methods for managing waste produced by operations in the oil and gas industry. Minimising waste can deliver both business and environmental improvements. If our resources can be used more efficiently, then less waste will be produced, significantly reducing the harm to the environment.

Learning objectives:

LO1: Describe the importance of waste management
LO2: Identify the legislative controls relating to waste
LO3: Explain the importance of a Waste Management Plan
LO4: Explain the waste management hierarchy
LO5: Identify the types of waste that are generated offshore
LO6: Outline the alternatives to disposing of waste
LO7: Describe waste reduction techniques
LO8: Describe the importance of waste segregation
LO9: Explain the importance of recycling
LO10: Outline the waste management considerations when planning a job



Range: Safety Awareness

Hydrogen Sulphide (H2s) Awareness

Focus : Health and Safety | Oil and Gas
Duration : 30 minutes **Questions :** 20
Price band : A **Language :** English | Brazilian Portuguese | Spanish

Course outline: The course is available in the following languages: English; Brazilian Portuguese; Spanish

This H2S awareness course is suitable for all employees working in hazardous industries. The course outlines the principal properties of H2S, explaining why extreme caution is necessary when dealing with it and how to recognise the consequences and symptoms of H2S exposure.

Learning objectives:

LO1: Explain what H2S is
LO2: Identify where H2S can be found
LO3: Identify the properties of H2S
LO4: Explain how H2S levels are measured
LO5: Identify the exposure limits of H2S
LO6: Describe the exposure effects of H2S on body
LO7: Identify environmental hazards of H2S
LO8: Identify ways of detecting H2S
LO9: Know what to do in the event of an H2S emergency
LO10: Identify what H2S training consists of

Range: Safety Awareness

Major Accident Hazards

Focus : Health and Safety | Oil and Gas
Duration : 45 minutes **Questions :** 14
Price band : A **Language :** English

Course outline: The course is suitable for all members of staff working in hazardous environments in the oil and gas industry. It covers the potential for major accidents and the types of hazards that might cause these to happen.

Learning objectives:

LO1: Describe the types of work that are carried out on offshore installations
LO2: List the different legislative framework for offshore work
LO3: Explain which major accident hazards are present while in hostile and remote offshore environments
LO4: Explain the basics of the safety case
LO5: Describe the safety critical elements in a safety case
LO6: Understand the employee's responsibilities with regards to the safety case
LO7: Describe asset integrity and its divisions
LO8: Explain the employer and employee asset integrity responsibilities

Range: Safety Awareness

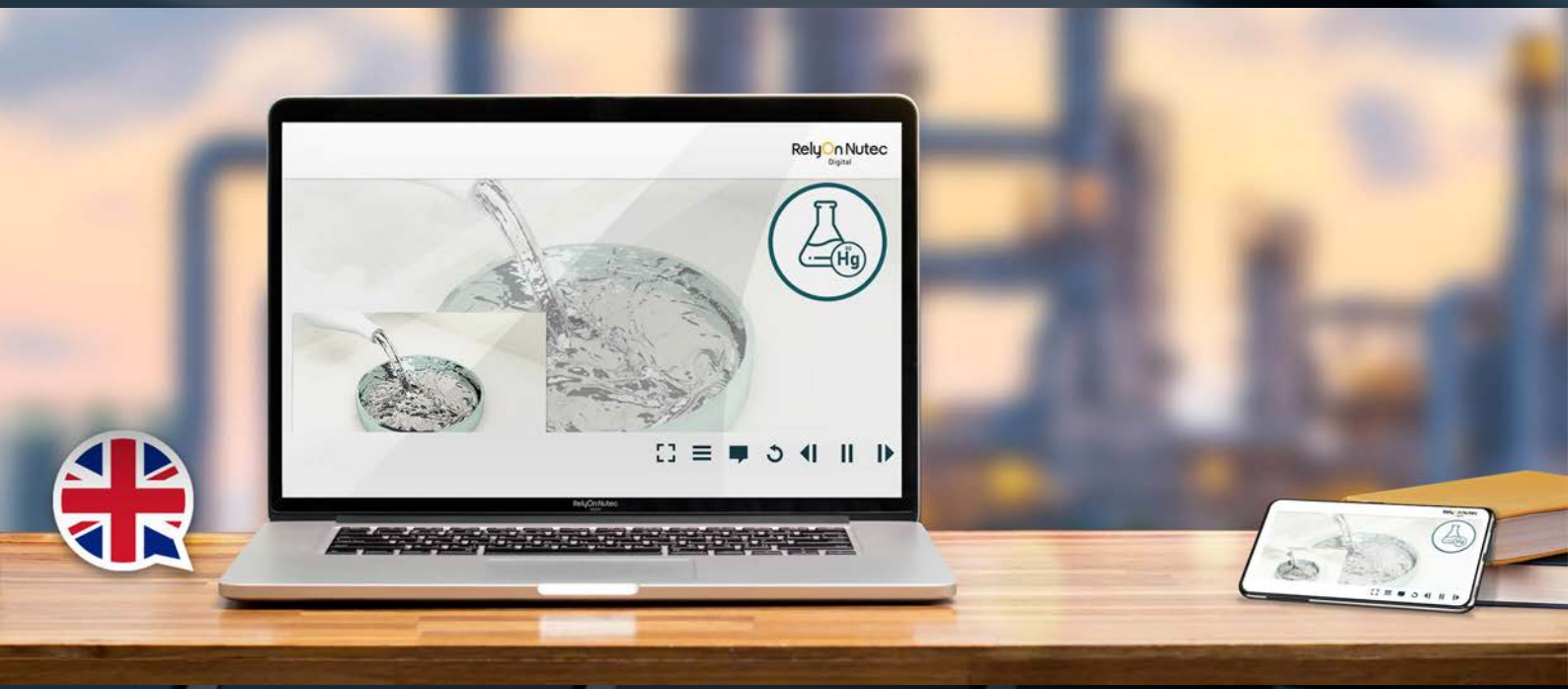
Mercury Awareness

Focus : Health and Safety | Oil and Gas
Duration : 30 minutes **Questions :** 10
Price band : A **Language :** English

Course outline: This course is suitable for anyone working with or in an environment that contains mercury. The course provides candidates with an awareness of the dangers of mercury exposure, the controls used to limit the effects of it and what to do if contamination occurs.

Learning objectives:

LO1: Describe what mercury is and the different forms it can take
LO2: Describe the hazards of mercury
LO3: Identify the exposure limits of mercury
LO4: Describe the control measures used to limit and control the effects of mercury exposure
LO5: Explain what to do in the event of mercury exposure or contamination



E-learning

RelyOn Nutec

PETROCHEMICAL INDUSTRY

OPERATIONAL SAFETY

360° HSE AND DX SOLUTIONS

MSTS Asia

OPERATIONAL SAFETY PROGRAM

FACE TO FACE / HYBRID

Basic (All Levels)

- ❑ Introduction to Petro-Chemical Midstream & Downstream
- ❑ Safety Awareness for All the Various function and unit operations

E-LEARNING

Basic (All Levels)

- ❑ Atmospheric Emissions
- ❑ Benzene Awareness
- ❑ Control of Substances Hazardous to Health (COSHH)
- ❑ Corrosion Awareness
- ❑ Environment Awareness
- ❑ Explosive
- ❑ Hand - Arm Vibration Awareness
- ❑ Nitrogen Awareness
- ❑ Scaffolding Awareness
- ❑ Waste Management Awareness

Intermediate (Operation / Production)

- ❑ Chemicals Management
- ❑ Confined Space Entry
- ❑ Authorised Gas Tester
- ❑ Introduction to Control of Work (CoW)
- ❑ Control of Work (CoW)
- ❑ Gas Monitor
- ❑ Naturally Occurring Radioactive Material (NORM)
- ❑ Water Management - Awareness
- ❑ Water Management - Dosing, Sampling, Cleaning and Maintenance
- ❑ Water Management - Hazard and Risk Mitigation
- ❑ Water Management - Monitoring, Troubleshooting, Reporting and Docs
- ❑ Pressure and Leak Testing
- ❑ Process Isolations

Advanced (HSE Managers)

- ❑ Risk Management
- ❑ Storage and Handling of Gases in Cylinders
- ❑ Task Risk Assessment

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COURSE

INTRODUCTION TO PETRO-CHEMICAL MIDSTREAM & DOWNSTREAM

ACCREDITATION

MSTS ASIA

COURSE AIM AND OBJECTIVES

At the end of the course, you will feel confident in how the petrochemical industry is established. You will know the most common petrochemicals as well as their distribution, production and importance in daily life. It will help in your future process simulations by knowing the common and economical chemical pathways...

COURSE LEARNING OUTCOMES

By the end of the course, participants will:

- Understand the Petrochemical Industry
- Define the Upstream vs. Downstream Industries in Petroleum Industry
- Identify names, molecules, physical & chemical properties of most important Petrochemicals
- Understand the importance of the petrochemicals produced

Introduction to Petro-Chemical Midstream & Downstream

PRE-REQUISITES

No pre-requisites are required.

COURSE OUTLINE

The course presentations will cover the following topics:

- Petrochemical Industry
- Difference between Petroleum Refining vs. Petrochemical Industry
- Paraffins, Olefins, Naphthene's & Aromatics
- Market insight (production, consumption, prices)
- Two main Petrochemical Processes: Naphtha Steam Cracking and Fluid Catalytic Cracking
- The most important grouping in petrochemical products
- Petrochemical physical & chemical properties. Chemical structure, naming, uses, production, etc.

TARGET GROUP

The course is suitable to anyone related or willing to go to the Petrochemical Industry.

DURATION

1 Day

CERTIFICATE VALIDITY

There is no expiry for this training

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Range: Environmental

Atmospheric Emissions

Focus : Health and Safety | Oil and Gas
Duration : 30 minutes **Questions :** 11
Price band : A **Language :** English

Course outline: This course provides an understanding of the types, composition, and sources of atmospheric emissions that can result from operational activities in the oil and gas industry.

You will learn about how emissions can impact on the environment, and how companies can manage, control and reduce emissions through compliance with industry legislation and regulation.

Learning objectives:

LO1: Distinguish common operational activities and associated atmospheric emissions
LO2: Describe the potential impacts that emissions can have on the environment
LO3: Identify recent trends and statistics of atmospheric emissions in the UK Oil and Gas industry
LO4: Recognise relevant national, European and international legislation
LO5: Describe the permit process for controlling atmospheric emissions
LO6: Explain requirements for reporting and monitoring atmospheric emissions
LO7: Describe roles and responsibilities associated with controlling and reducing emissions

Range: Safety Awareness

Benzene Awareness

Focus : Health and Safety | Oil and Gas
Duration : 30 minutes **Questions :** 6
Price band : A **Language :** English

Course outline: This course also advises on what might happen if you are exposed to benzene and the precautions you and your employer can take to stay safe. Finally, this course offers guidelines on how to respond if exposure does occur. Throughout this course your understanding of the information given will be tested and the results recorded. You need to answer 80 percent of the questions correctly to pass the course.

Learning objectives:

LO1: Identify the characteristics of benzene
LO2: Explain where benzene is found
LO3: Describe the effects of exposure to benzene
LO4: List the safety equipment that should be used to protect against the effects of benzene
LO5: Describe the precautions to be taken to avoid exposure to benzene
LO6: Outline the actions to be taken if exposed to benzene

Range: Safety Awareness

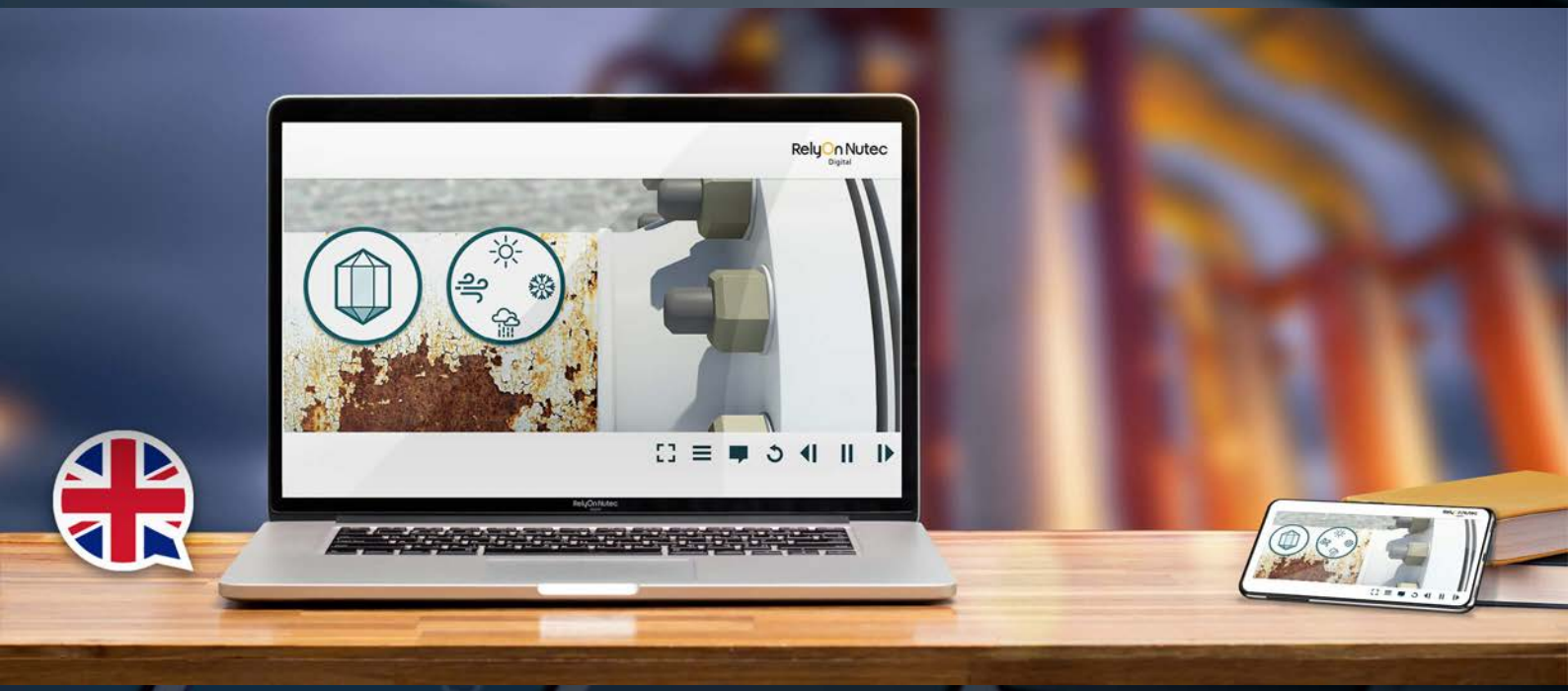
Corrosion Awareness

Focus : Health and Safety | Oil and Gas
Duration : 30 minutes **Questions :** 14
Price band : A **Language :** English

Course outline: The aim of this course is to provide you with an awareness of corrosion, and how this specifically affects the oil and gas industry. Throughout this course your understanding of the information given will be tested and the results recorded. You need to answer 80 percent of the questions correctly to pass the course.

Learning objectives:

LO1: Describe how and why corrosion occurs.
LO2: Explain how corrosion affects the industry as a whole (cost etc.)
LO3: Identify where corrosion is likely to occur off and onshore.
LO4: Define the different types of corrosion.
LO5: Explain how corrosion affects pipelines
LO6: Explain how corrosion affects wells
LO7: Explain how corrosion affects water systems
LO8: Explain how corrosion affects dead leg areas
LO9: Explain how to treat and prevent corrosion.



Range: Technical

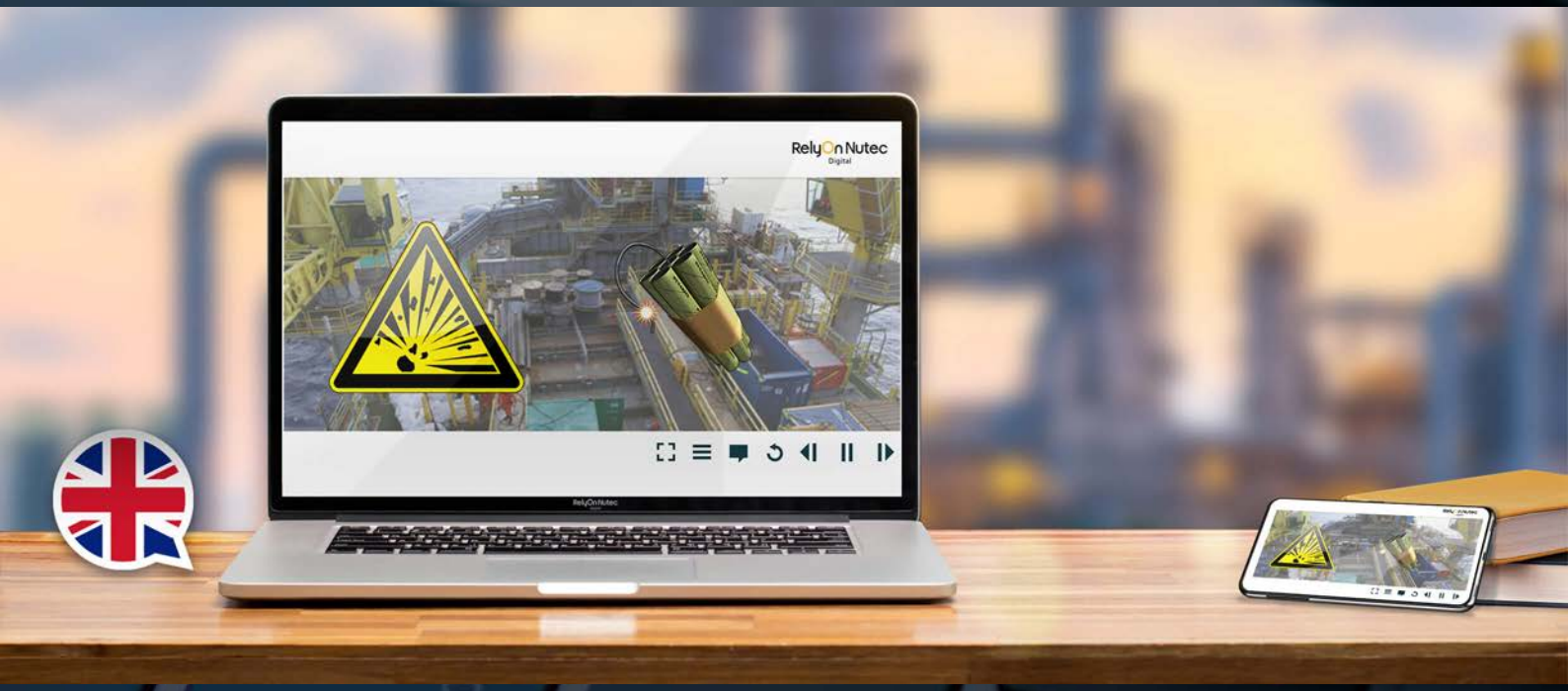
Explosives

Focus : Health and Safety | Oil and Gas
Duration : 30 minutes **Questions :** 20
Price band : A **Language :** English

Course outline: The course explains what explosives are, what they are used for, why they are used and the controls in place to prevent unnecessary risk whilst working with them. The course also identifies the roles and responsibilities of those working with explosives.

Learning objectives:

LO1: Identify what explosives are
LO2: Describe some of the uses for explosives offshore
LO3: Explain why explosives are used
LO4: Explain the authorisation process for using explosives
LO5: Describe how explosives are detonated and the dangers of other sources of induced currents
LO6: Identify typical strategies to prevent accidental detonations
LO7: Identify work to be ceased when explosives are to be used
LO8: Identify those authorised to handle explosives
LO9: Describe the measures taken to store explosives safely
LO10: Identify your responsibilities before and during the use of explosives



Range: Safety Awareness

Hand-Arm Vibration Awareness

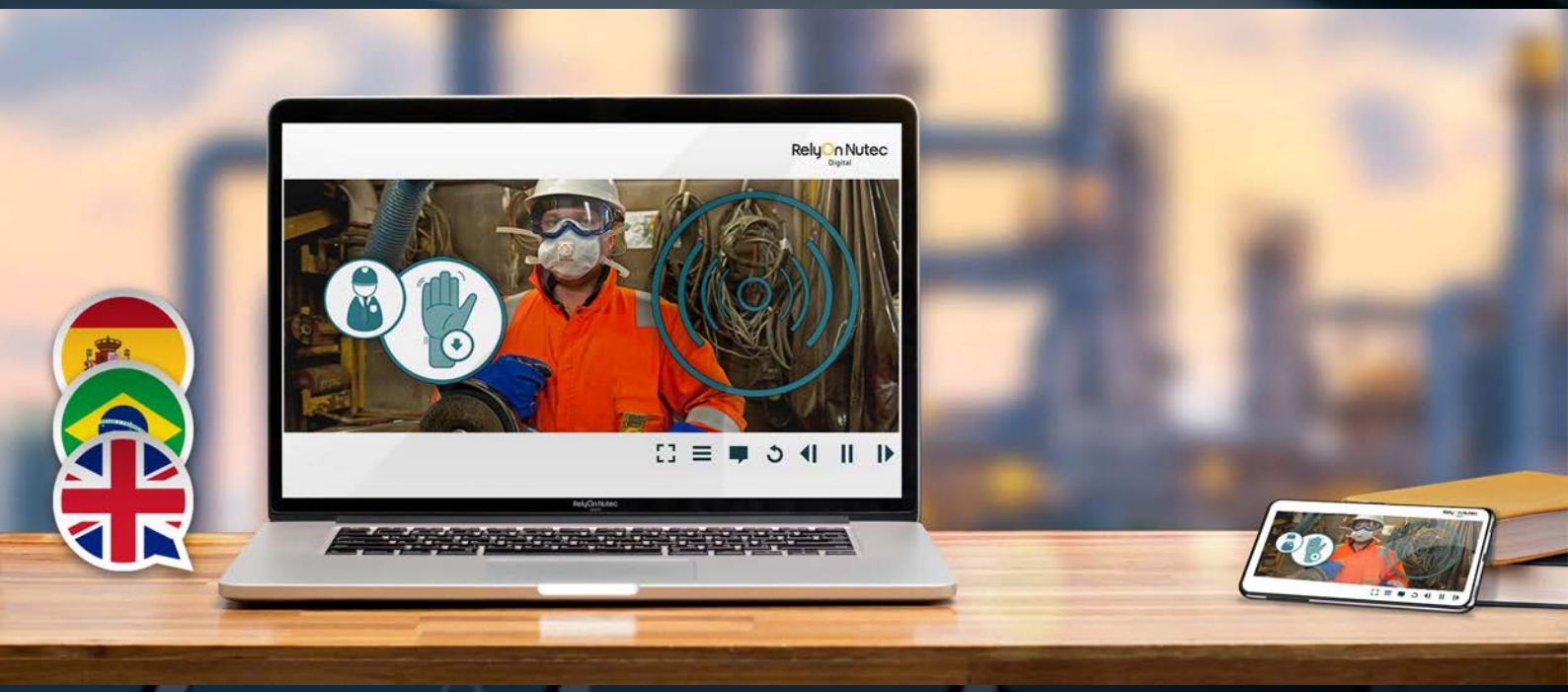
Focus : Health and Safety | Oil and Gas
Duration : 30 minutes **Questions :** 20
Price band : A **Language :** English | Brazilian Portuguese | Spanish

Course outline: The course is available in the following languages: English; Brazilian Portuguese; Spanish.

You will learn about your employer's legal obligations to reduce risk and the measures that you can take to control your exposure to hand-arm vibration.

Learning objectives:

LO1: Define hand-arm vibration
LO2: Outline the symptoms and effects of Hand-Arm Vibration Syndrome (HAVS) and carpal tunnel syndrome
LO3: Identify the legal duties of employers and manufacturers to control vibration
LO4: Recall vibration exposure values
LO5: Explain how the risks associated with vibration are assessed and controlled
LO6: Outline the measures you can take to protect yourself from harmful vibration



E-learning

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Range: Safety Awareness

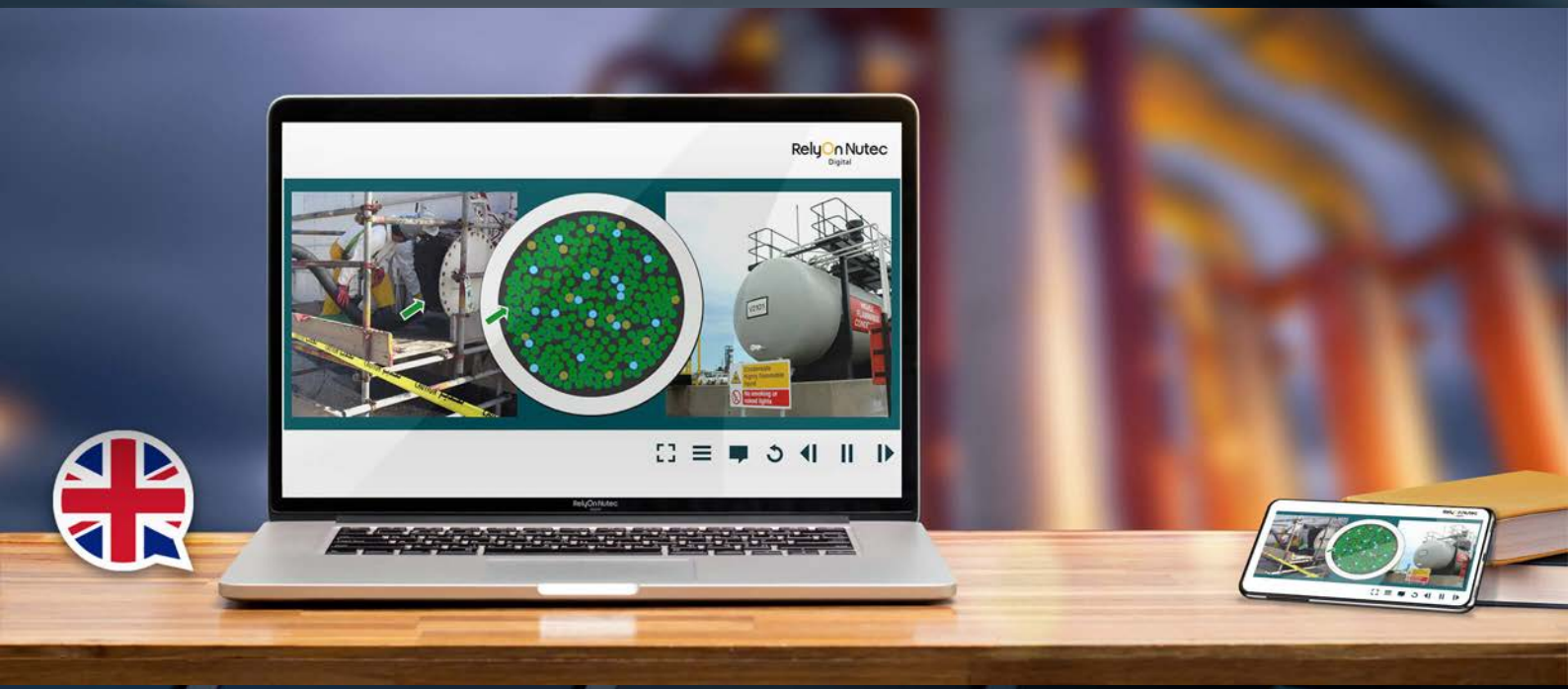
Nitrogen Awareness

Focus : Health and Safety | Oil and Gas
Duration : 30 minutes **Questions :** 7
Price band : A **Language :** English

Course outline: This course is suitable for anyone working with nitrogen and the inerting process in the oil and gas industry. The course will give you an understanding of the dangers that nitrogen poses, and the measures and processes used to control it.

Learning objectives:

LO1: Describe the properties of air and nitrogen
LO2: Explain why inert environments are dangerous
LO3: Explain the inerting process & when nitrogen is used
LO4: Describe draining, purging, venting
LO5: Explain who is at risk
LO6: Understand why multiple fatalities are more common
LO7: Identify typical control measures for inert environments



Range: Safety Awareness

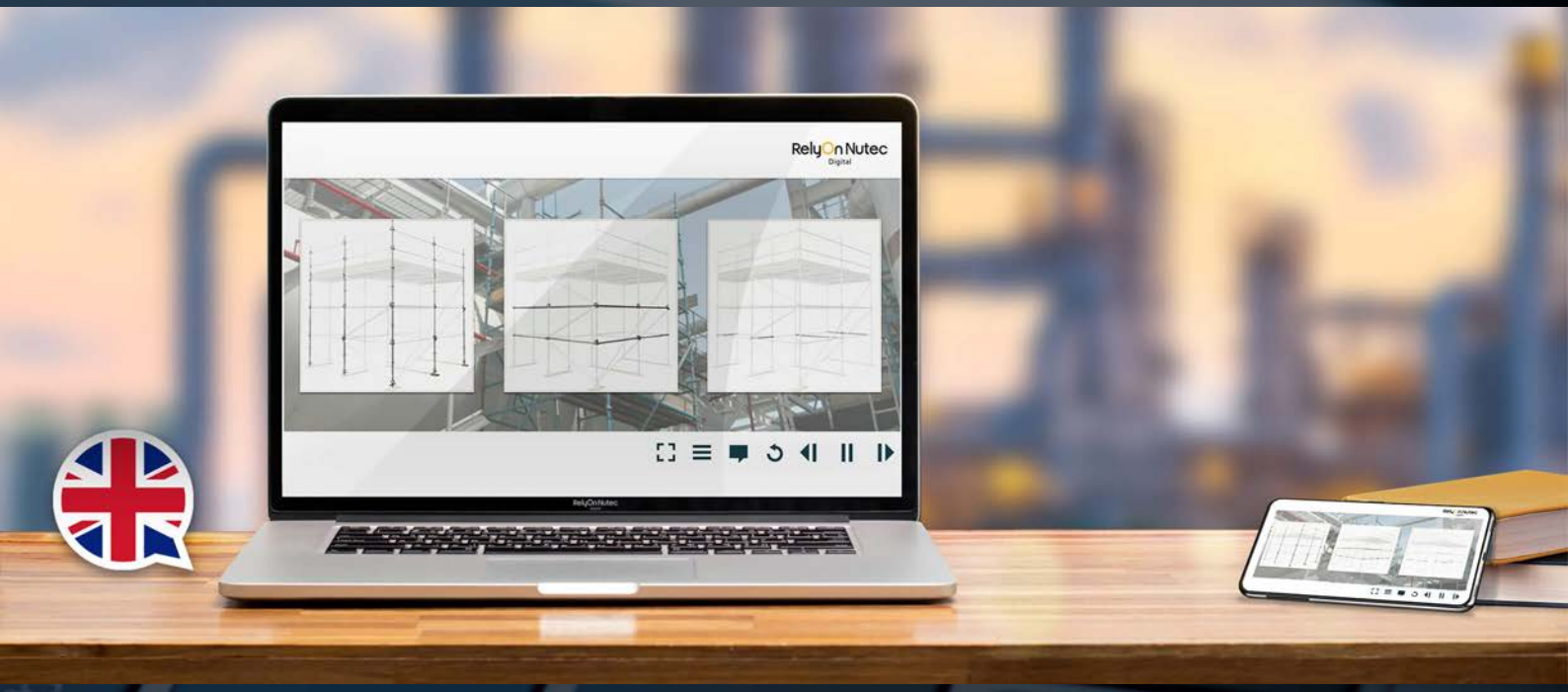
Scaffolding Awareness

Focus : Health and Safety | Oil and Gas
Duration : 60 minutes **Questions :** 20
Price band : A **Language :** English

Course outline: The course includes information on the basic tools used to construct scaffolds, the personal protective equipment required, the roles and responsibilities associated with scaffolding work, and the importance of inspections.

Learning objectives:

LO1: Describe what a scaffold is and why it is used
LO2: Define the key terms used in the construction of scaffolds
LO3: Recognise the basic components of a scaffold
LO4: Describe the key elements of a scaffold
LO5: Identify the different types of scaffolding structures
LO6: Identify hazards associated with the use of scaffolding
LO7: List the basic tools used in the construction of a scaffold
LO8: Describe the PPE requirements for scaffolding
LO9: List the requirements for access to scaffolds
LO10: Identify the responsibilities of key personnel involved with scaffolding
LO11: Describe the use of the scafftags system
LO12: Describe the importance of scaffold inspections



Range: Environmental

Waste Management Awareness

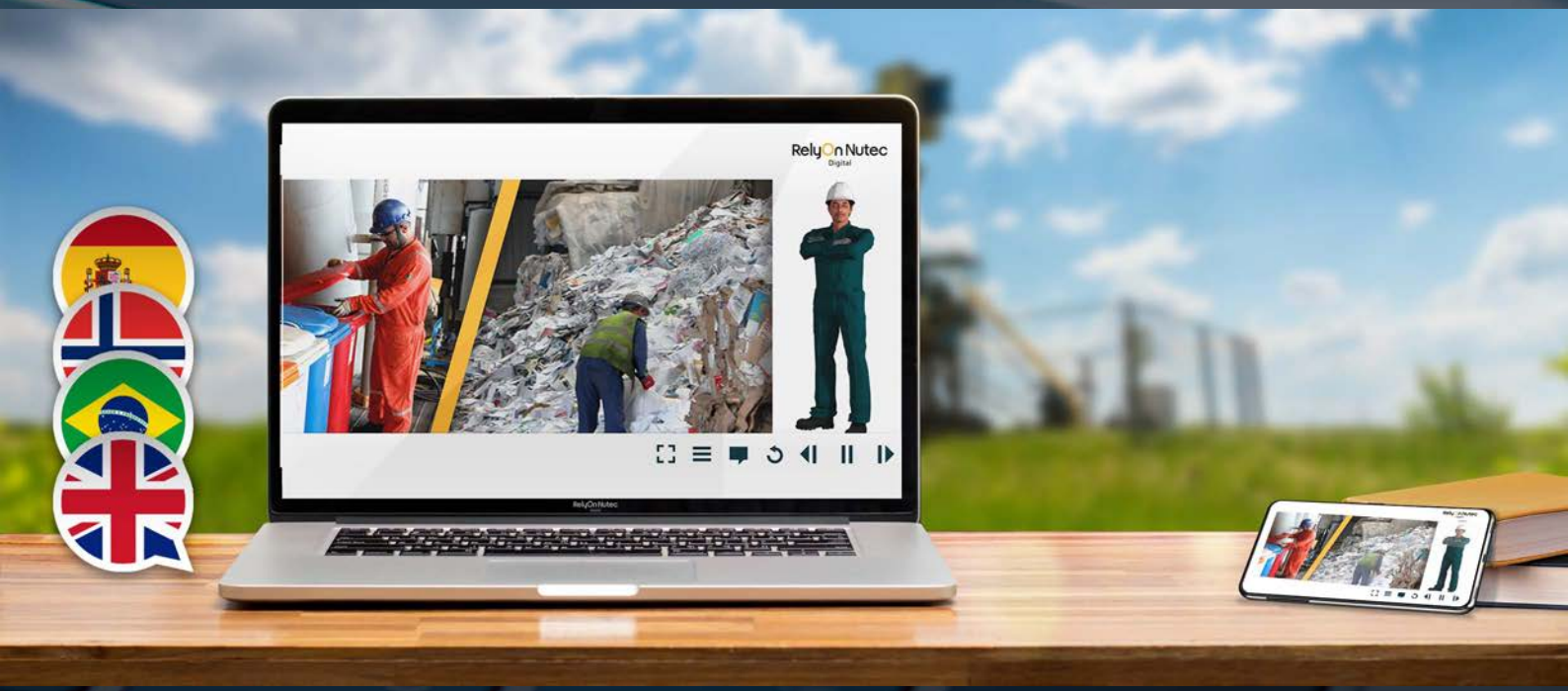
Focus : Health and Safety | Oil and Gas
Duration : 30 minutes **Questions :** 20
Price band : A **Language :** English | Brazilian Portuguese | Spanish| Norwegian

Course outline: The course is available in the following languages: English; Brazilian Portuguese; Spanish; Norwegian

This course explains the legal requirements and the methods for managing waste produced by operations in the oil and gas industry. Minimising waste can deliver both business and environmental improvements. If our resources can be used more efficiently, then less waste will be produced, significantly reducing the harm to the environment.

Learning objectives:

LO1: Describe the importance of waste management
LO2: Identify the legislative controls relating to waste
LO3: Explain the importance of a Waste Management Plan
LO4: Explain the waste management hierarchy
LO5: Identify the types of waste that are generated offshore
LO6: Outline the alternatives to disposing of waste
LO7: Describe waste reduction techniques
LO8: Describe the importance of waste segregation
LO9: Explain the importance of recycling
LO10: Outline the waste management considerations when planning a job



Range: Environmental

Chemicals Management

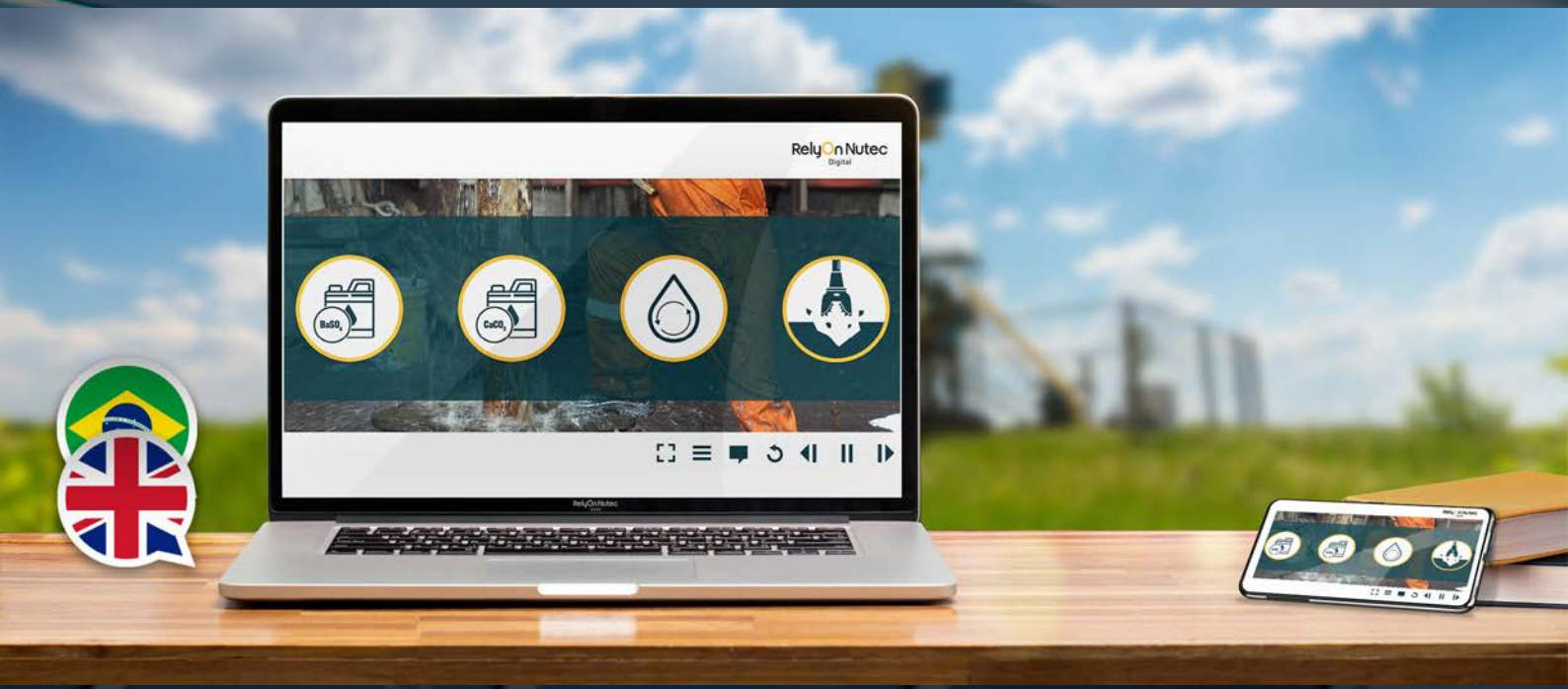
Focus : Health and Safety | Oil and Gas
Duration : 45 minutes **Questions :** 13
Price band : A **Language :** English | Brazilian Portuguese

Course outline: The course is available in the following languages: English; Brazillian Portuguese

This aim of this course is to provide an awareness and understanding of the use of chemicals in the offshore oil and gas industry. You will learn about associated environmental, legislative and regulatory aspects, along with practical advice on permitting and management of chemicals.

Learning objectives:

LO1: Identify the typical activities and operations utilising chemicals in the offshore oil and gas industry.
LO2: Give examples of the potential environmental issues associated with chemical use offshore.
LO3: Recognise the relevant legislative and regulatory bodies governing chemical use offshore. (1)
LO4: Describe the process for applying for a permit. (3)
LO5: Identify how the use of chemicals offshore are inspected, monitored and enforced.
LO6: Describe the associated roles, responsibilities and best practice for legislative compliance. (1)
LO7: Explain best practice for the storage and disposal of chemicals.
LO8 Detail the typical steps that should be taken in response to a chemical spill. (2)



Range: Safety Awareness

Confined Space Entry

Focus : Health and Safety | Oil and Gas
Duration : 60 minutes **Questions :** 20
Price band : A **Language :** English

Course outline: This confined space entry course is suitable for all employees in hazardous industries required to work in confined spaces. On successful completion of this course, candidates will recognise the hazards associated with confined space entry and the precautions that need to be taken when working in a confined space. It provides candidates with the knowledge to perform their duties safely and responsibly.

Learning objectives:

LO1: Describe a confined space
LO2: Identify examples of confined spaces
LO3: Identify and explain the hazards associated with a confined space
LO4: Identify the different roles and responsibilities for confined space entry
LO5: Describe the regulations associated with confined space entry
LO6: Describe the elements of a risk assessment for confined space entry
LO7: Identify the elements of a safe system of work
LO8: Describe good housekeeping practices for confined space work
LO9: Describe the emergency procedures for confined space work
LO10: Describe rules for entering/working in a confined space
LO11: Describe when and how to exit a confined space

Range: Technical

Authorised Gas Tester

Focus : Health and Safety | Oil and Gas
Duration : 240 minutes **Questions :** 96
Price band : S **Language :** English | Brazilian Portuguese

Course outline: The course is available in the following languages: English; Brazilian Portuguese

This course has been designed to equip delegates with the knowledge to conduct gas testing within confined spaces and awareness of associated confined hazards. The authorised gas tester role is critical in testing for and ensuring safe working atmospheres, in particular: permit-controlled confined spaces, and prior to and during hot work.

Our course has been developed in bitesize learning chunks for each topic. At the end of each module, there will be an assessment. Delegates will need to pass each module at 80 percent or above.

The aim of this course is to teach you the requirements associated with gas detection. On successful completion, you will have the basic knowledge necessary to allow you to operate as an Authorised Gas Tester. You will be given two attempts at each module, and you must score 80 percent to pass. This course also aligns with NR33/34 standards.

Learning objectives:

LO1: Confined space criteria
LO2: The type of operations being tested for flammable and toxic gases
LO3: The potential cumulative hazards of operations within an oxygen-enriched, oxygen-deficient, toxic or flammable environment and habitats
LO4: Carrying out a suitable and sufficient risk assessment before testing activities and confined space entry
LO5: Understanding responsibilities within safe systems of work
LO6: Nominating stand by person to raise the alarm and initiate emergency response
LO7: The implications of statutory requirements with respect to gas testing
LO8: How to interpret operational requirements
LO9: How to select, use and care for PPE for different toxic and flammable gases and other contaminants through risk assessment
LO10: Consideration of appropriate levels of respiratory protective equipment
LO11: The strengths and weaknesses of the various types of atmospheric flammable and toxic gas detection equipment
LO12: Determining the extent of the test boundaries
LO13: Calibrating the instruments used in atmospheric testing
LO14: Sources of assistance in the event of damaged or defective equipment
LO15: How to access and interpret the relevant operational instructions
LO16: The operating principles of atmosphere monitoring and measuring equipment
LO17: Frequently observed failure modes
LO18: How to correctly select between aspirating and non-aspirating detectors to obtain a representative sample of the atmosphere being tested
LO19: Equipment required for testing for hydrocarbons in inert atmospheres
LO20: Gas detector pre-start checks
LO21: How to document the results and advise relevant personnel
LO22: How to interpret the results, to include both normal and abnormal
LO23: Hot work (any operation involving naked flames or producing heat and/or sparks or any operation that has spark potential)
LO24: Vapour cloud movement
LO25: The hazards and properties of flammable gases
LO26: Carrying out a suitable and sufficient risk assessment before testing activities
LO27: Understanding responsibilities within safe systems of work
LO28: Nominating fire watcher(s) to raise the alarm and initiate emergency response
LO29: The different types of detectors used for the flammable product
LO30: The range and frequency of tests
LO31: Monitoring and retesting requirements
LO32: The principles of hot work gas testing as applied to the work area
LO33: The acceptable levels of flammable gases
LO34: The correct amount of oxygen
LO35: How to set up the relevant detector for each gas testing application and confirm its correct functioning
LO36: Where to site portable or transportable equipment that will be used to continuously monitor the atmosphere
LO37: The hazards and properties of flammable and toxic gases

LO38: The behaviour of different gases
LO39: The range and frequency of tests and monitoring and retesting after the initial entry
LO40: Acceptable levels of flammable and toxic gases and the correct amount of oxygen
LO41: The implications of WEL for toxic gases
LO42: The implications of LEL for flammable gases
LO43: Performing gas tests in sequence
LO44: How to set up the relevant detector for each gas testing application, its potential failure modes and confirming its correct functioning
LO45: How to obtain a representative atmosphere sample from a range of confined spaces
LO46: Taking samples at the top, middle and bottom to locate varying concentrations of gases and vapours
LO47: Sampling confined spaces at a distance inside the opening because air intrusion near the entrance can give a false sense of adequate oxygen present
LO48: Testing flammable gases in inert atmospheres
LO49: Where to site portable or transportable equipment that will be used to continuously monitor the atmosphere
LO50: Responsibilities of the Fire Watch
LO51: Responsibilities of the Standby Person
LO52: Responsibilities of the Gas Monitor role
LO53: Impact of environmental changes on working conditions
LO54: Sources of assistance and specialist support
LO55: The importance of checking that the controls on the equipment are as specified

E-learning

RelyOn Nutec

Range: Safety Awareness

Introduction to Control of Work (CoW)

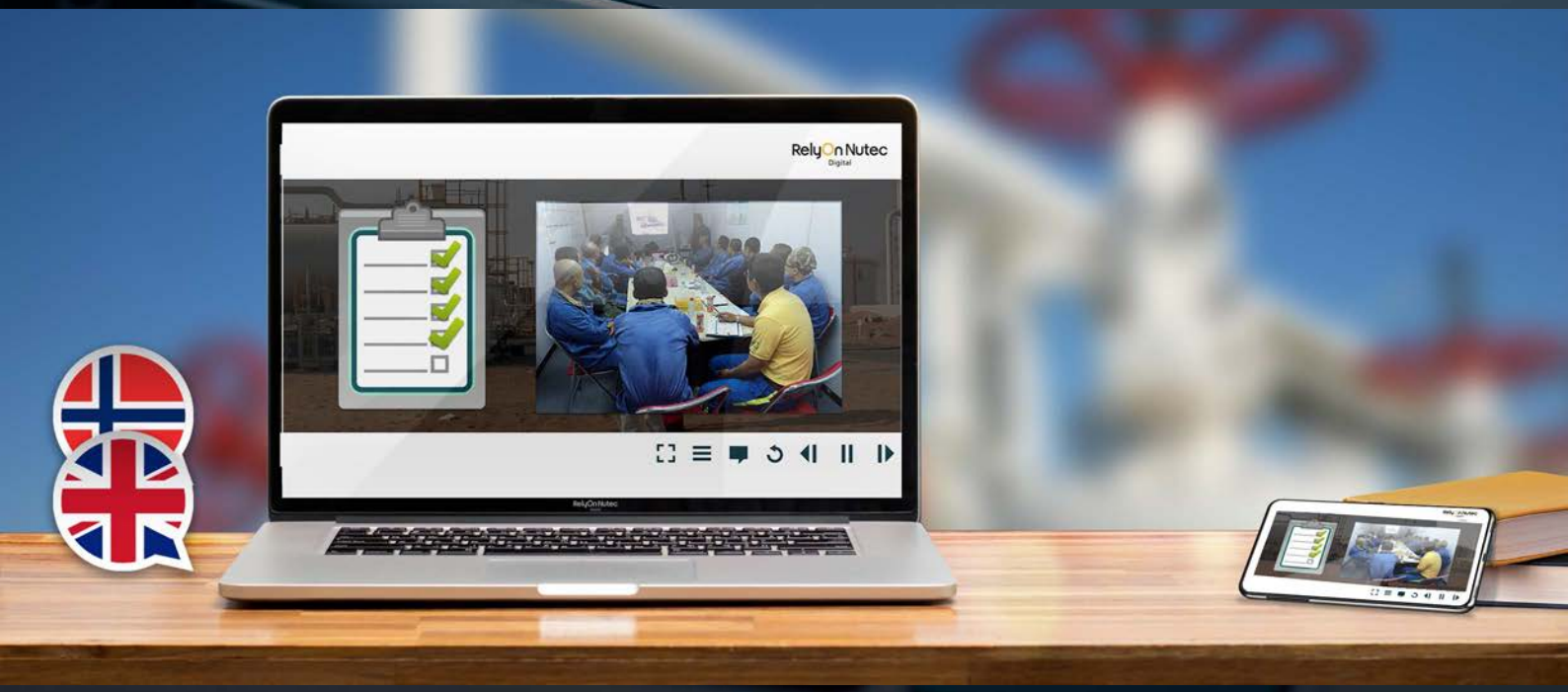
Focus : Health and Safety | Oil and Gas
Duration : 60 minutes **Questions :** 20
Price band : A **Language :** English | Norwegian

Course outline: The course is available in the following languages: English; Norwegian

This course is suitable for all members of the work party. Real life examples of failures within Control of Work systems and their consequences will demonstrate why following procedures within Control of Work systems is essential. Candidates will also learn about Planning, Risk Assessment, Permit to Work, Lock Out Tag Out, Sub-Systems, Toolbox Talks and the responsibilities of every person under the Control of Work system.

Learning objectives:

LO1: Describe the Control of Work system
LO2: State the purpose of the Control of Work system
LO3: Identify the responsibilities of every person within the Control of Work system
LO4: Identify the elements within the Control of Work system
LO5: List the five steps within the Control of Work system
LO6: Explain how to plan within the Control of Work system
LO7: Explain the Risk Assessment process within the Control of Work system
LO8: Explain how work is controlled under a Permit to Work
LO9: Explain the Life Cycle of the Permit to Work
LO10: Describe the Communication Processes within the Control of Work system
LO11: Summarise Lock Out Tag Out
LO12: Describe Sub-systems within the Control of Work system



Range: Safety Awareness

Control of Work (CoW)

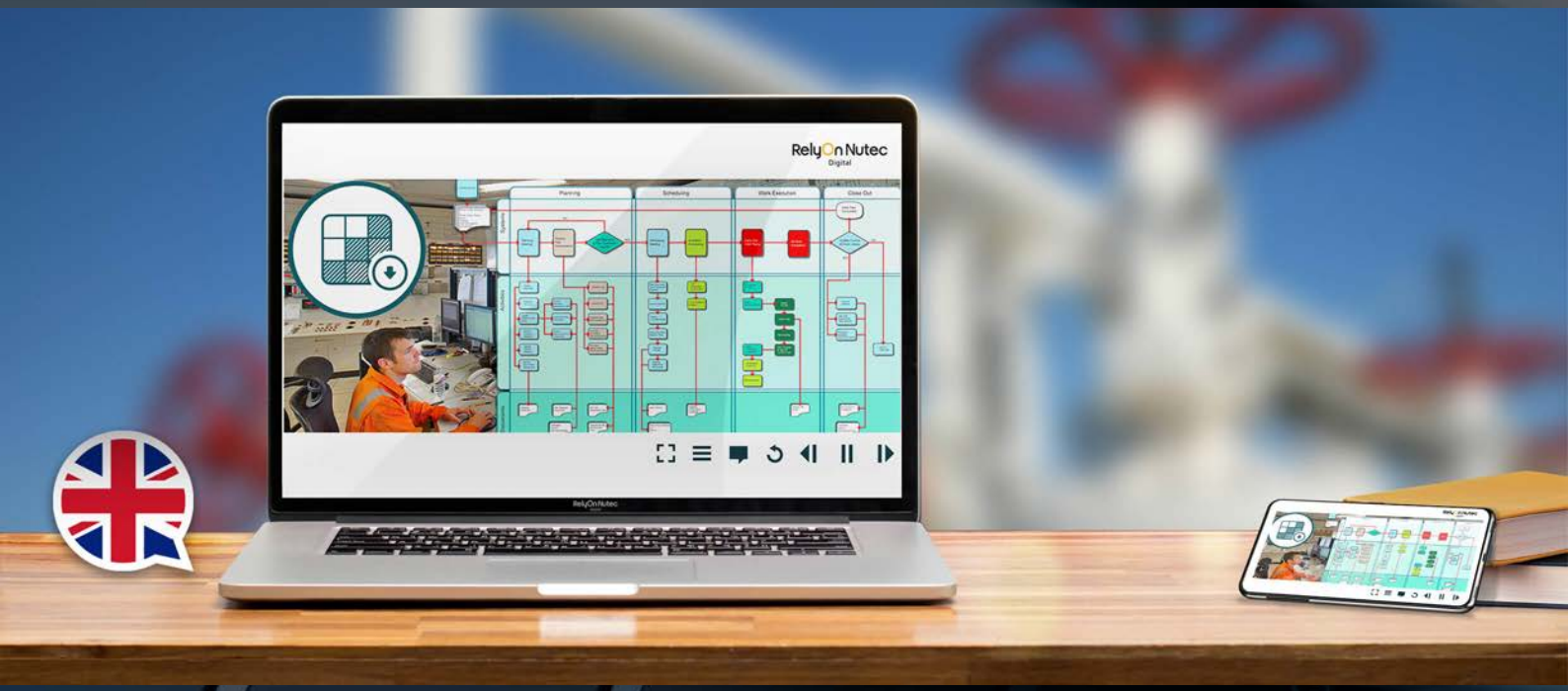
Focus : Health and Safety | Oil and Gas
Duration : 25 minutes **Questions :** 10
Price band : A **Language :** English

Course outline: The purpose of this Control of Work course is to help explain the principles of a safety management system. Additionally, the course will cover the principles and objectives of the permit to work (PTW) system.

Learning objectives:

LO1: Explain the principles of a safety management system

LO2: Explain the principles and objectives of the permit to work (PTW) system



Range: Technical

Gas Monitor

Focus : Health and Safety | Oil and Gas
Duration : 60 minutes **Questions :** 28
Price band : S **Language :** English

Course outline: The course will ensure that personnel preparing to provide safety watch duties through the ongoing monitoring of hot-work sites are equipped with the relevant knowledge to safely carry out the role.

Our course has been developed in bitesize learning chunks for each topic. At the end of each module, there will be an assessment. Delegates will need to pass each module at 80 percent or above. When you pass the course, you will be issued with a certificate which is valid for 3 years.The aim of this course is to teach you the requirements associated with providing safety watch duties for hot-work sites. On successful completion, you will have the basic knowledge necessary to allow you to carry out the role. You may however be asked to complete further workplace training before being formally appointed.

Learning objectives:

LO1: Hot work (any operation involving naked flames or producing heat and/or sparks or any operation that has spark potential)
LO2: Confined space criteria
LO3: The type of operations being tested for flammable and toxic gases
LO4: Roles and Responsibilities of the Fire Watch
LO5: Roles and Responsibilities of the Standby Person
LO6: Responsibilities of the Gas Monitor role
LO7: How to select, use and care for PPE
LO8: How to work within the Safe System of Work
LO9: The hazards and properties of flammable and toxic gases
LO10: The behaviour of gases
LO11: Impact of environmental changes on working conditions
LO12: The importance of checking that the controls on the equipment are as specified
LO13: Sources of assistance and specialist support
LO14: Completion of relevant documentation

Range: Environmental

Naturally Occurring Radioactive Material (NORM)

Focus : Health and Safety | Oil and Gas
Duration : 30 minutes **Questions :** 20
Price band : A **Language :** English

Course outline: This course has been designed to give candidates an understanding of the legal requirements, methods and responsibilities for managing NORM waste from operations in the oil industry, both on and offshore.

Learning objectives:

LO1: Give an overview of radioactivity
LO2: Describe NORM
LO3: Give an overview of the health and safety issues relating to NORM
LO4: Explain where NORM is found
LO5: Give an overview of legislation and employer responsibilities with regard to NORM
LO6: Explain how NORM is detected
LO7: Outline the precautions that should be taken when working in an environment where NORM may be found

Range: Environmental

Water Management - Awareness

Focus : Health and Safety | Oil and Gas
Duration : 30 minutes **Questions :** 10
Price band : A **Language :** English

Course outline: This awareness course is aimed at Medics, 2nd Engineers, Chief Officers or similar. Candidates will be able to identify basic components of water management systems. Significantly reducing the harm to the environment.

Learning objectives:

LO1: Explain what wholesome water and potable water is
LO2: Receiving water alongside (ex-pipe, road tankers)
LO3: Receiving water from other vessels or barges
LO4: Reverse Osmosis
LO5: Evaporation
LO6: Explain the various water treatment options (disinfection) available, including Chlorination, UV filtration, Silver Ionisation, Ultra-filtration
LO7: Identify legislation applicable to water management
LO8: Describe water management responsibilities for key job roles

Range: Environmental

Water Management - Dosing, Sampling, Cleaning and Maintenance

Focus : Health and Safety | Oil and Gas
Duration : 30 minutes **Questions :** 10
Price band : A **Language :** English

Course outline: This course is aimed at 2nd Engineers, Chief Officers, Medics or similar.

This module – Sample, Dosing, Cleaning and Maintenance – is part of a comprehensive Water Management programme. There are four modules in total which can also be completed separately by job role. This module will guide candidates through how to correctly dose potable water, conducting sampling of potable water through various methods and the cleaning and maintenance methods required to reduce hazards.

Learning objectives:

LO1: Describe how to correctly dose potable water with disinfectant
LO2: Describe how to conduct potable water sampling to reduce potable water hazards
LO3: Describe the cleaning and maintenance of a potable water system to reduce potable water hazards
LO4: Describe the additional control measures employed to reduce potable water hazards

E-learning

RelyOn Nutec

Range: Environmental

Water Management - Hazard and Risk Mitigation

Focus : Health and Safety | Oil and Gas
Duration : 30 minutes **Questions :** 10
Price band : A **Language :** English

Course outline: This awareness course is aimed at 2nd Engineers, Chief Officers, Medics or similar.

This module – Hazards and Risk Mitigation – is part of a comprehensive Water Management programme. There are four modules in total which can also be completed separately by job role. This module describes key hazards affecting potable water, the potential health risks as a result of these hazards and additional risk mitigations to prevent illness.

Learning objectives:

LO1: Identify the key hazards that can affect potable water
LO2: Explain the health risks that can arise from the poor management of water and why they happen
LO3: Additional Risk Mitigation

Range: Environmental

Water Management - Monitoring, Troubleshooting, Reporting and Docs

Focus : Health and Safety | Oil and Gas
Duration : 30 minutes **Questions :** 10
Price band : A **Language :** English

Course outline: This course is aimed at Chief Engineers, Masters, 2nd Engineers, Chief Officers or similar.

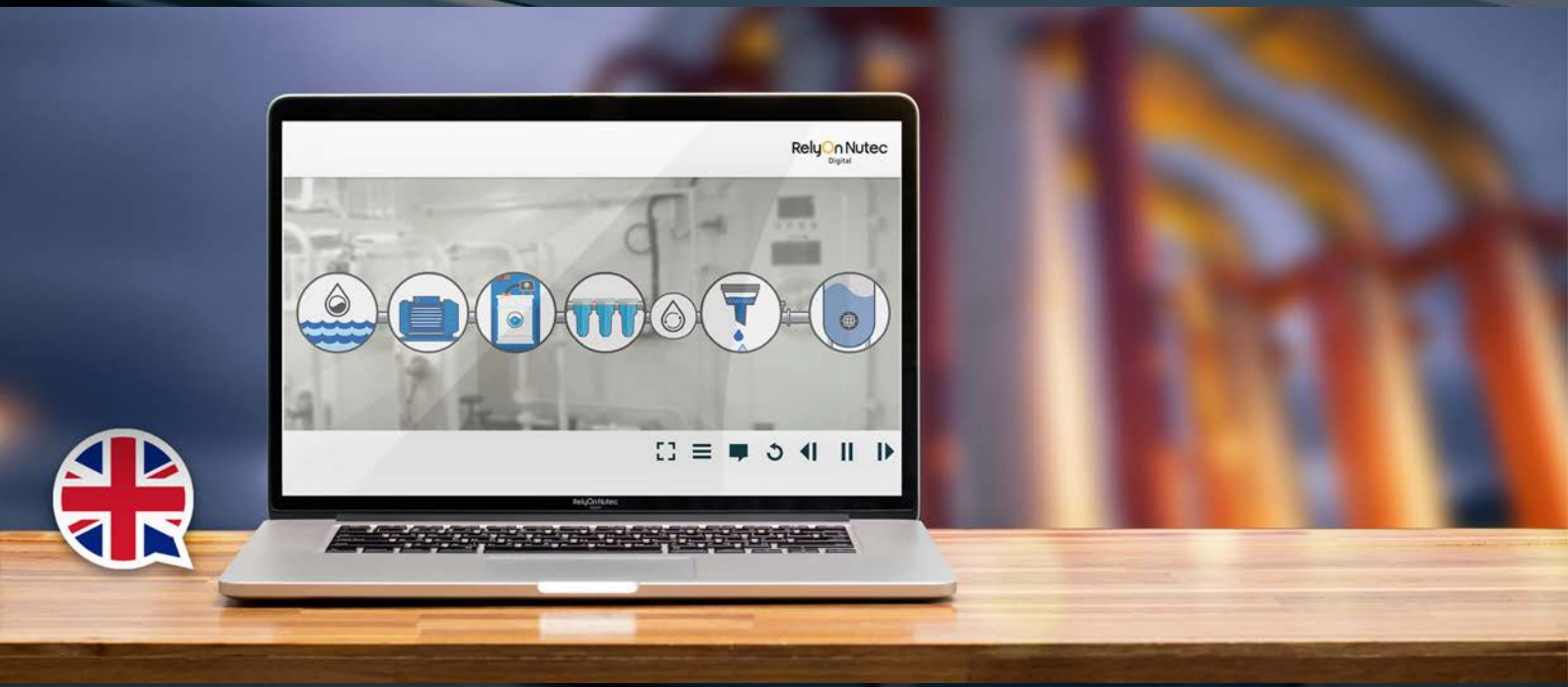
This module – Monitoring, Troubleshooting, Reporting & Documentation – is part of a comprehensive Water Management programme. There are four modules in total which

can also be completed separately by job role. This module provides candidates with a clear understanding of the monitoring regimes and troubleshooting methods relevant to potable water, reporting requirements and an understanding of the necessary documents.

Learning objectives:

LO1: Describe the trouble shooting methods for testing potable water

LO2: Identify the documentation used, the reporting requirements and the process to follow for recording information



Range: Technical

Pressure and Leak Testing

Focus : Health and Safety | Oil and Gas
Duration : 60 minutes **Questions :** 26
Price band : A **Language :** English

Course outline: The aim of this course is to explain the dangers posed by pressurised systems and the essential safety considerations for planning pressure-testing and leak-testing operations.

Learning objectives:

LO1: Explain the term 'pressure' and how it is measured
LO2: Explain why pressure testing is conducted on plant and equipment exposed to high pressure
LO3: Explain the relationship between operating pressure and test pressure
LO4: List the legislation applicable to pressure testing
LO5: Describe the potential hazards of pressure testing
LO6: Explain why planning a pressure test is essential
LO7: Explain the pressure test procedure document
LO8: Identify the different pressure test methods
LO9: Explain the difference between pressure testing and leak testing
LO10: Explain how risks are controlled
LO11: Identify the requirement for a permit to work
LO12: Identify the competency requirements for personnel involved with pressure and leak testing
LO13: Explain how to inspect the test equipment
LO14: Describe the use of pressure gauges and their position in pressure testing
LO15: Explain the purpose of isolation in pressure testing
LO16: Identify the need for pressure safety valves and the importance of their positioning
LO17: Explain how to assemble the test equipment correctly
LO18: Explain why venting during hydrostatic tests is carried out
LO19: Describe the safety measures implemented before pressure testing begins
LO20: Describe the selection of the test medium
LO21: Identify the precautions and the monitoring requirements during pressure build-up
LO22: Describe the leak testing process
LO23: Provide an understanding of the depressurisation techniques required after pressure testing
LO24: Describe the disassembly of the test assembly
LO25: Identify the hazards involved with using nitrogen
LO26: Understand the hazards and precautions when working with compressed gas cylinders

Range: Technical

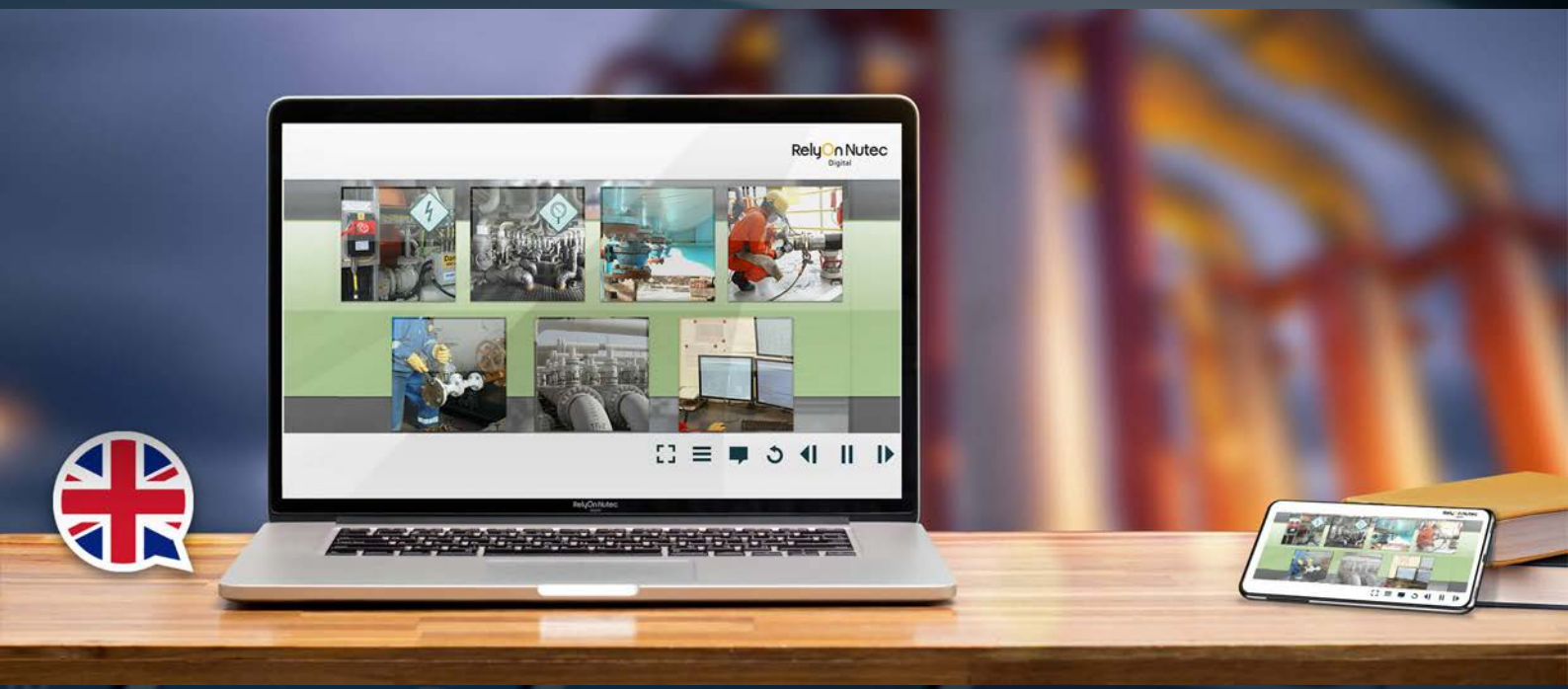
Process Isolations

Focus : Health and Safety | Oil and Gas
Duration : 90 minutes **Questions :** 30
Price band : A **Language :** English

Course outline: This course emphasises that the purpose of Process Isolations is to prevent harm to personnel, plant and the environment from the unintended or unplanned release of energy and/or hazardous products from systems during service or maintenance activities.

Learning objectives:

LO1: Explain the purpose of a process isolation
LO2: Identify the main reasons for isolating
LO3: Describe what a process isolation is
LO4: Describe key terminology used in the isolation process
LO5: Identify the central roles and responsibilities involved in isolations
LO6: Identify the fundamental stages of process isolation
LO7: Describe the different process isolation methods
LO8: Identify the different types of isolation security
LO9: Describe isolation monitoring
LO10: Identify examples of human errors in the isolation process
LO11: Identify examples of isolation controls
LO12: Describe the training requirements for workers involved in isolations
LO13: Describe the compliance and auditing required for the isolation process



E-learning

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Range: Safety Awareness

Risk Management

Focus : Health and Safety | Oil and Gas
Duration : 30 minutes **Questions :** 10
Price band : A **Language :** English

Course outline: A hazard is anything that has the potential to cause harm. This could mean harm to you or others, damage to property or harm to the environment. Risk is the likelihood of that harm occurring.

Learning objectives:

LO1: Define risk assessment, hazards, controls and risks
LO2: Explain and describe the hierarchy of controls
LO3: Describe the concepts and techniques of risk assessment
LO4: Describe the steps of a typical risk assessment
LO5: Explain how to use a risk matrix
LO6: Describe additional elements of the risk assessment process
LO7: Explain how management of change can cause and prevent injury in the industry
LO8: Understand the purpose of risk intervention systems
LO9: Explain how to safely carry out an intervention
LO10: Explain the importance of reporting and lessons learned

E-learning

RelyOn Nutec

Range: Technical

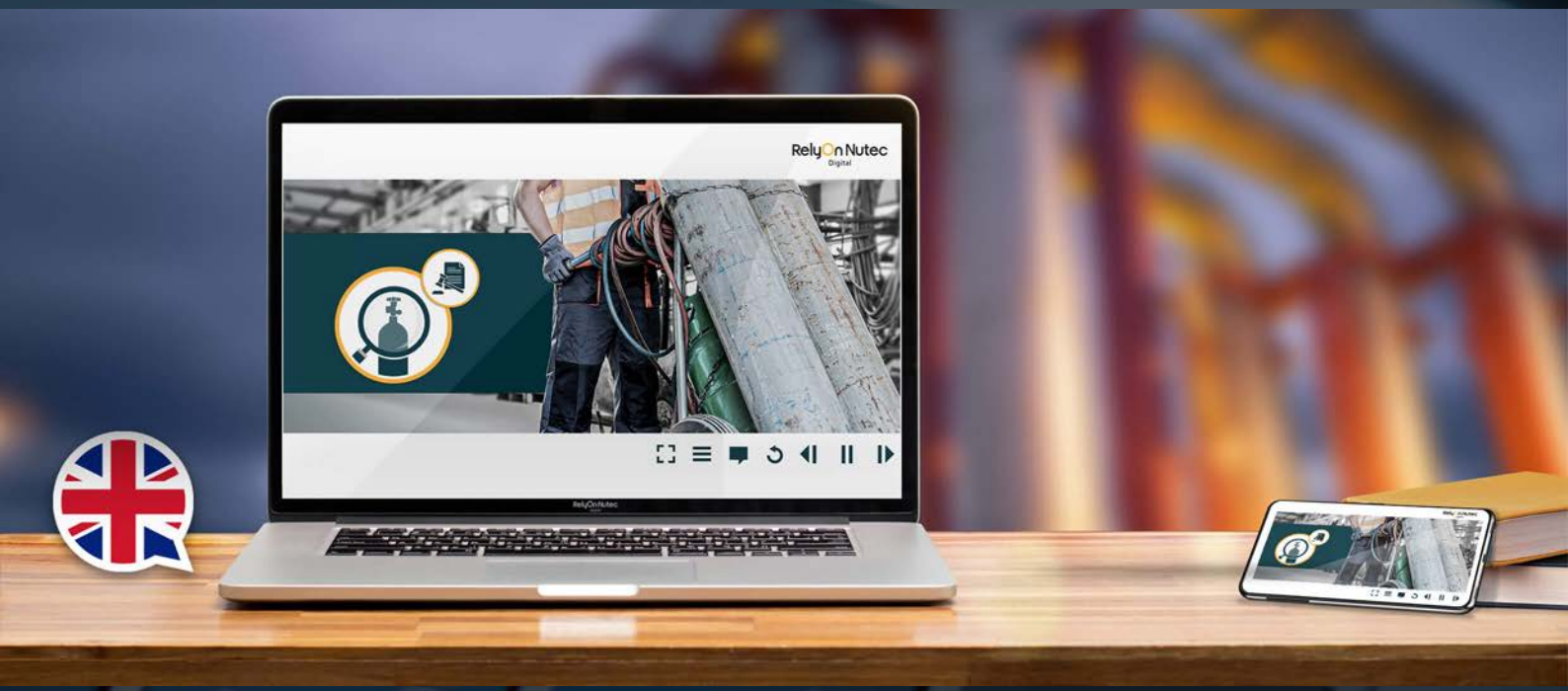
Storage and Handling of Gases in Cylinders

Focus : Health and Safety | Oil and Gas
Duration : 30 minutes **Questions :** 12
Price band : A **Language :** English

Course outline: The aim of this course is to introduce you to the health and safety risks and controls that you need to be aware of when handling and storing gas cylinders.

Learning objectives:

LO1: Describe key relevant legislation and regulations
LO2: Explain how a gas cylinder is constructed
LO3: Detail the safety features of gas cylinders
LO4: Explain how to identify the contents of gas cylinders
LO5: Explain the hazard symbols associated with gas cylinders
LO6: Explain the storage and handling hazards of gas cylinders
LO7: Describe best practice for gas cylinder handling
LO8: Explain the general principles for gas cylinder storage
LO9: Explain the relevant precautions for when gas cylinders are in use
LO10: Describe the routine checks for gas cylinders
LO11: Explain what emergency plans are in place for gas cylinder incidents



E-learning

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Range: Safety Awareness

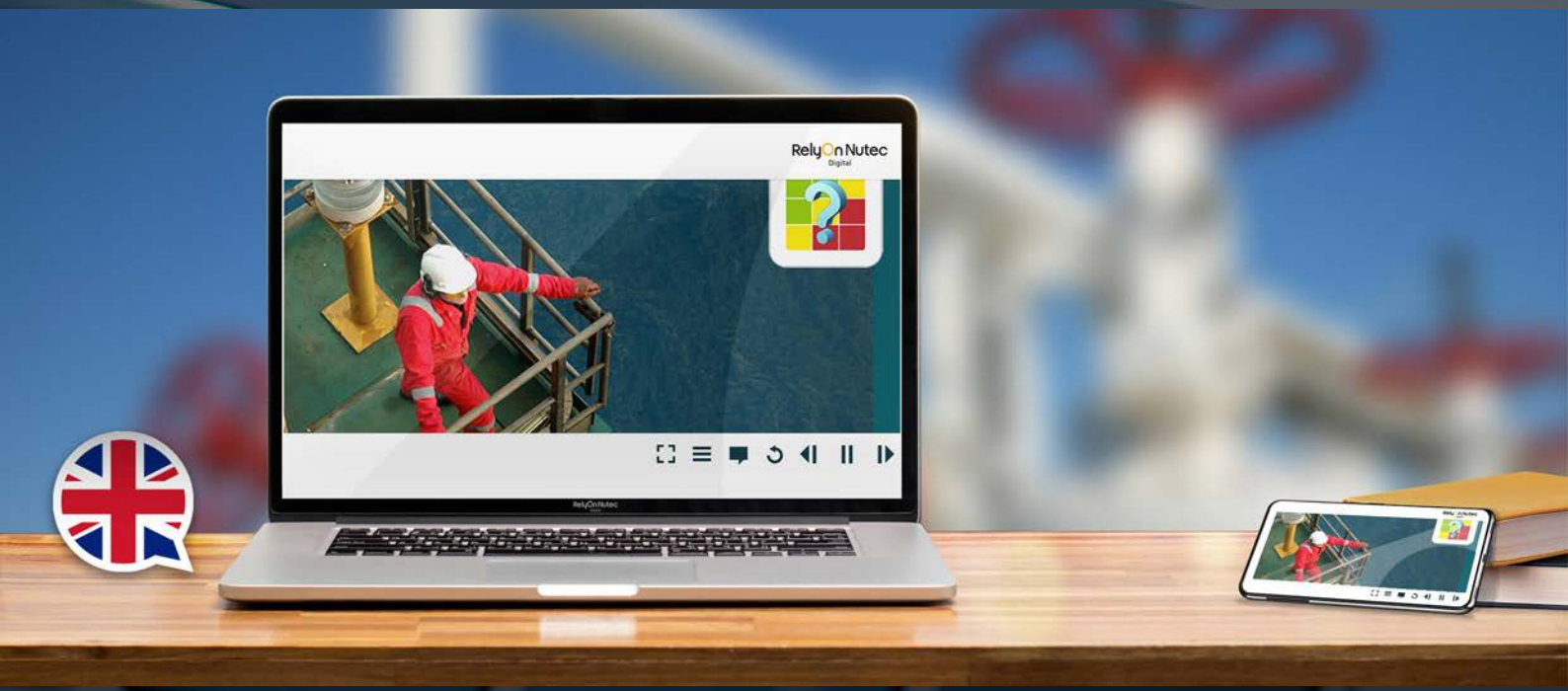
Task Risk Assessment (TRA)

Focus : Health and Safety | Oil and Gas
Duration : 60 minutes **Questions :** 20
Price band : A **Language :** English

Course outline: This task risk assessment course is suitable for all current or potential members of task risk assessment teams. The course includes information identification of all hazards associated with the work, what a TRA is, how and when it should be carried out and the responsibilities of each person within the process.

Learning objectives:

LO1: Define key terminology associated with task risk assessment
LO2: Define the purpose of a task risk assessment
LO3: Describe hazard identification
LO4: Describe the terms hazard and risk
LO5: Recall when a task risk assessment should be carried out and what work categories need to be covered
LO6: Describe what makes an effective task risk assessment
LO7: Identify the roles and responsibilities of a task risk assessment team member
LO8: Describe the steps of a task risk assessment
LO9: Describe the identification of control measures
LO10: Explain the importance of lessons learned
LO11: Identify the general requirements for training in task risk assessment
LO12: Recall what data/findings from task risk assessments should be recorded
LO13: Describe the purpose of a toolbox talk
LO14: Explain the importance of communication for the success of a task risk assessment



PETROCHEMICAL INDUSTRY

EMERGENCY RESPONSE

360° HSE AND DX SOLUTIONS

MSTS Asia

EMERGENCY RESPONSE PROGRAM

E-LEARNING

Basic (All Levels)

- ❑ Fire Warden Awareness
- ❑ Fire Warden and Fire Safety Awareness
- ❑ Introduction to First Aid

Intermediate (Supervisors & above)

- ❑ Bespoke available on request

Advanced (HSE Managers / Specialist)

- ❑ Bespoke available on request

FACE TO FACE / HYBRID

Basic (Entry Level / Operators)

- ❑ Basic first aid
- ❑ Designated first aider
- ❑ Advanced first aid
- ❑ Basic firefighting

Intermediate ER

- ❑ Fire team leader
- ❑ Lead fire warden
- ❑ Fire team member
- ❑ Fire warden

Advanced ER (HSE / Specialist ER)

- ❑ Crisis management
- ❑ Plant manager / MEM
- ❑ Control Room Operator
- ❑ Confined space rescue
- ❑ Height rescue
- ❑ Water rescue
- ❑ HAZMAT
- ❑ LNG awareness

SPECIALIST WORKSHOPS

- ❑ Storage tank fire fighting
- ❑ Foam workshops
- ❑ Incident command System (ICS various levels)

ER15

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COURSE

BASIC EMERGENCY FIRST AID

ACCREDITATION

MSTS ASIA

COURSE AIMS AND OBJECTIVES

During the course delegates will gain a basic level of understanding and demonstrate to a level of competence all aspects of basic emergency first aid.

COURSE LEARNING OUTCOMES

During the training programme, delegates will be required to demonstrate their skills and understanding of the following key areas.

To successfully complete this training delegates must be able to demonstrate:

1. How to assess for danger, own safety and others
2. How to conduct a quick triage
3. How to conduct a primary assessment
4. How to conduct a secondary assessment
5. How to use an AED and Oxygen Resuscitator
6. How to utilize the First-Aid box to treat various injuries
7. How to recognized Shock
8. How to affect the transport of casualties

PRE-REQUISITES

All delegates must be in possession of a valid medical certificate.

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COURSE OUTLINE

1. Principles of First Aid
2. Assessment of casualties and threats to own Safety
3. Body Structure and Functions
4. Cardiopulmonary Resuscitation (CPR)
5. Bleeding and Wounds
6. Management of Shock
7. Burns and Scalds
8. Fractures and Dislocations
9. Transport of Casualties
10. Bandages and use of Emergency First aid Kit
11. Use of Oxygen Resuscitator

TARGET GROUP

This course is designed for personnel designated as emergency First Aiders on facilities located onshore and offshore.

DURATION

1 Day

CERTIFICATE VALIDITY

The validity of the certificate is 3 years

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COURSE

DESIGNATED FIRST AIDER

ACCREDITATION

MSTS ASIA

COURSE AIMS AND OBJECTIVES

During the course delegates will gain an advanced level of understanding and demonstrate to a level of competence all aspects of emergency first aid.

COURSE LEARNING OUTCOMES

During the training programme, delegates will be required to demonstrate their skills and understanding of the following key areas.

To successfully complete this training delegates must be able to demonstrate:

1. How to assess for danger, own safety and others
2. How to conduct a quick triage
3. How to conduct a primary assessment
4. How to conduct a secondary assessment
5. How to use an AED and Oxygen Resuscitator
6. How to utilize the First-Aid box to treat various injuries
7. How to recognized and treat Shock
8. How to recognized and treat various other medical conditions
9. How to affect the transport of casualties

PRE-REQUISITES

All delegates must be in possession of a valid medical certificate.

COURSE OUTLINE

The training programme will cover the following topics:

- Principle of First Aid
- Provision of Basic Life Support (BLS)
- Automated External Defibrillator (AED)
- Vital Sign
- Specific Emergencies
- Dressings, Bandages and Slings
- Patient Transfer
- Workplace First Aid

TARGET GROUP

This course is designed for personnel designated as emergency First Aiders on facilities located onshore and offshore.

DURATION

5 Days

CERTIFICATE VALIDITY

The validity of the certificate is 3 years

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COURSE

ADVANCED EMERGENCY FIRST AID

ACCREDITATION

MSTS ASIA

COURSE AIMS AND OBJECTIVES

During the course delegates will gain a basic level of understanding and demonstrate to a level of competence all aspects of advanced emergency first aid.

COURSE LEARNING OUTCOMES

During the training programme, delegates will be required to demonstrate their skills and understanding of the following key areas.

To successfully complete this training delegates must be able to demonstrate:

1. How to assess for danger, own safety and others
2. How to conduct a quick triage
3. How to conduct a primary assessment
4. How to conduct a secondary assessment
5. How to use an AED and Oxygen Resuscitator
6. How to utilize the First-Aid box to treat various injuries
7. How to recognized and treat Shock
8. How to recognized and treat various other medical conditions
9. How to affect the transport of casualties

PRE-REQUISITES

All delegates must be in possession of a valid medical certificate.

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COURSE OUTLINE

The training programme will cover the following topics:

Principles of first aid
Infectious diseases
Basic Human anatomy
Examination of a casualty
Cardiopulmonary Resuscitation - CPR
Airway obstructions
Bleeding
Shock
Burns
Fractures and soft tissues
Head injuries
Eyes and ear injuries
Chest and pelvic injuries
Common medical emergencies
Heart conditions
Environmental exposure
Poisons and stings
Casualty handling
Use of oxygen resuscitator
Drugs and infectious diseases
Automated External Defibrillator - AED

TARGET GROUP

This course is designed for personnel designated as emergency First Aiders on facilities located onshore and offshore.

DURATION

2.5 Days

CERTIFICATE VALIDITY

The validity of the certificate is 3 years

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COURSE

ONSHORE FIRE/EMERGENCY RESPONSE TEAM LEADER TRAINING STANDARD - INITIAL

ACCREDITATION

MSTS ASIA

COURSE AIMS AND OBJECTIVES

The aim and objectives of the OFERTL Initial Training Programme are to equip the learner with the necessary knowledge, understanding and skills to perform the role of Onshore Fire/Emergency Response Team Leader effectively.

LEARNING OUTCOMES

The learning outcomes are specified out below:

To successfully complete this training, learners must be able to: -

(1) Define the role and explain the key responsibilities of the Fire/Emergency Response Team Leader.
(2) State the main priorities of the Fire/Emergency Response Team Leader.
(3) Explain the purpose of site ER arrangements and procedures.
(4) Identify the typical elements of emergency response planning.
(5) Identify the emergency response PPE requirements for the OFERTL and the OFERTM.
(6) Explain the purpose of setting priorities and objectives in response to an incident.
(7) Explain the importance of monitoring environmental conditions during an incident.
(8) Explain the importance of monitoring human factors during an incident.
(9) Explain the reason for dynamic risk assessment during an emergency response
(10) Learner tasks to the OFERT members effectively.

Onshore Fire/Emergency Response Team Leader Training
Standard - Initial

LEARNING OUTCOMES

The learning outcomes are specified out below:

To successfully complete this training, learners must be able to: -

(11) Communicate effectively with relevant emergency response personnel.

(12) Give clear and concise instructions to the OFERT members during the emergency.

(13) Lead the OFERT in a clear and confident manner.

(14) When safe to do so, direct the OFERT members into the incident area – continually assessing how the changes in the emergency could impact on the safety of the OERT members.

(15) Conduct dynamic risk assessments throughout the incident.

(16) Look for and respond accordingly to signs of stress in individual OFERT members during the emergency.

(17) Effectively monitor breathing apparatus (BA) control.

(18) Lead the OFER team during non-fire incidents effectively.

(19) Lead the OFER team during firefighting operations effectively.

(20) Conduct missing persons and casualty management effectively during the emergency.

Learning Outcomes (10) through (20) are to be assessed during practical exercises

TARGET GROUP

The target group for the OFERTL Initial Training Programme is personnel who are appointed to, or to be appointed to, the role of an Onshore Emergency Response Team Leader.

PRE-REQUISITES

Delegate attending this programme must possess a valid Onshore Fire/Emergency Response Team Member Training (OFERTM) certificate

DURATION

3 Days

CERTIFICATE VALIDITY

The OFERTL Initial Training Certificate expiry is **2 years**

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COURSE

LEAD FIRE WARDEN COMPETENCE ASSESSMENT STANDARD

ACCREDITATION

MSTS ASIA

COURSE AIMS AND OBJECTIVES

The aims and objectives of the Lead Fire Warden Competence Assessment are to formally assess the candidate in the role of the Lead Fire Warden during an emergency situation in a simulated environment.

LEARNING OUTCOMES

Lead Fire Warden Competence Assessment Programme

The Lead Fire Warden Competence units and elements are detailed below:

Unit 1: Maintain readiness for muster and evacuation

Element 1.1: Control muster and evacuation during drills and exercises

Element 1.2: Contribute to debriefing following response to an emergency, drills and exercises

Unit 2: Control muster and co-ordinate evacuation

Element 2.1: Control muster activities

Element 2.2: Co-ordinate evacuation and escape

Unit 3: Maintain effective communications

Element 3.1: Receive and process incoming communications

Element 3.2: Communicate information and instructions

TARGET GROUP

The target group for the Lead Fire Warden Competence Assessment is personnel who have been nominated by their employer to be formally assessed in the role of a Lead Fire Warden during an emergency situation.

PRE-REQUISITES

There are no pre-requisites for the Lead Fire Warden Competence Assessment

DURATION

1 Day

CERTIFICATE VALIDITY

The Lead Fire Warden Competence Assessment Standard is valid for **2 years**.

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COURSE

ONSHORE FIRE/EMERGENCY RESPONSE TEAM MEMBER TRAINING STANDARD - INITIAL

ACCREDITATION

MSTS ASIA

COURSE AIMS AND OBJECTIVES

The aim and objectives of the OFERTM Initial Training Programme are to equip the learner with the necessary knowledge, understanding and skills to perform the role of Onshore Fire/Emergency Response Team Member effectively.

LEARNING OUTCOMES

The learning outcomes are specified out below:

To successfully complete this training, learners must be able to: -

(1) Define the role and explain the key responsibilities of the Fire/Emergency Response Team Member.
(2) Explain the purpose of site emergency response arrangements
(3) Explain the purpose of site emergency response procedures.
(4) Identify hazards and risk mitigation associated with typical site fire and non-fire incidents.
(5) Explain the purpose of fixed fire systems onshore.
(6) Understand the performance capability and limitations of typical fixed systems onshore.
(7) Identify the emergency response PPE requirements for the OFERTM.
(8) Under directions from the OFERTL: approach the incident area in a controlled manner – continually assessing how the changes in the emergency could impact on the safety of other OFERT members.
(9) Communicate effectively with the OFERTL and team members
(10) Respond appropriately to OFERTL direction in emergencies

Onshore Fire/Emergency Response Team Member Training Standard - Initial

LEARNING OUTCOMES

The learning outcomes are specified out below:

To successfully complete this training, learners must be able to: -

(11) Use safe working practices and site-specific procedures

(12) Select and use portable firefighting equipment.

(13) Select, operate, and flush foam firefighting equipment.

(14) Extinguish a fire and secure an area.

(15) Conduct breathing apparatus operations in accordance with OFERTL directions and safe practices.

(16) Conduct effective search and rescue for missing persons and casualties during the emergency

(17) Demonstrate correct casualty handling and recovery techniques.

Learning Outcomes (8) through (17) are to be assessed during practical exercises.

TARGET GROUP

The target group for the OFERTM Initial Training Programme is personnel who are appointed to, or to be appointed to, the role of an Onshore Fire/Emergency Response Team Member.

PRE-REQUISITES

There are no pre-requisites required.

DURATION

4 Days

CERTIFICATE VALIDITY

The OFERTM Initial Training Certificate expiry is **2 years**

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COURSE

FIRE WARDEN COMPETENCE ASSESSMENT STANDARD

ACCREDITATION

MSTS ASIA

COURSE AIMS AND OBJECTIVES

The aims and objectives of the Fire Warden Competence Assessment are to formally assess the candidate in the role of the Fire Warden during an emergency situation in a simulated environment.

LEARNING OUTCOMES

Fire Warden Competence Assessment Programme

The Fire Warden Competence units and elements are detailed below:

Unit 1 Maintain readiness for muster, evacuation and respond to emergency

Element 1.1 Prepare for response to emergency
Element 1.2 Respond to emergency

Unit 2 Conduct physical headcount, maintain control and respond to instructions

Element 2.1 Conduct physical headcount and maintain control at muster point
Element 2.2 Respond to instructions

TARGET GROUP

The target group for Fire Warden Competence Assessment is personnel who have been nominated by their employer to be formally assessed in the role of a Fire Warden during an emergency situation.

PRE-REQUISITES

There are no pre-requisites required.

DURATION

1 Day

CERTIFICATE VALIDITY

The Fire Warden Competence Assessment Standard is valid for **2 years**.

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COURSE

EMERGENCY PLANNING & CRISIS MANAGEMENT

ACCREDITATION

MSTS Asia

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COURSE AIMS AND OBJECTIVES

The aims and objectives of the training are to ensure that the delegate gains the required knowledge and understanding the importance of planning for emergency situations and of properly managing activities in crisis situations. Crisis management is the application of strategies designed to help an organization deal with a sudden and significant negative event.

A crisis can occur as a result of an unpredictable event or an unforeseeable consequence of some event that had been considered as a potential risk. In either case, crises almost invariably require that decisions be made quickly to limit damage to the organization.

The nature of the potential damage varies based on the nature of the crisis. In most cases though, a crisis can affect health or safety, the organization's finances, the organization's reputation, or some combination of these. A devastating fire could be a crisis that puts the organization's finances in jeopardy. However, if the fire occurs during business hours, then the fire might also jeopardize health and safety since employees may find themselves in harm's way..

COURSE LEARNING OUTCOMES

During the training programme, delegates will be required to demonstrate their skills and understanding of the following key areas.

1. Explain the key role of emergency planning.
2. Describe best practices in crisis management.
3. Apply relevant tools and advice to implement emergency plans and procedures.

Emergency Planning & Crisis Management

PRE-REQUISITES

There are no prerequisites required for this training.

COURSE OUTLINE

What is a crisis?

Crisis assessment

Understanding of CM Strategies

Facilities layout for CM Teams

Awareness of Individual Role and Responsibilities

Learn from other people's mistakes

Procedures and Check lists

Crisis communications

TARGET GROUP

The Target group are Managers, Officers and Staff or anyone involved in emergency planning and crisis management.

DURATION

2 Days

CERTIFICATE VALIDITY

The validity of the certificate is 3 years.

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COURSE

PLANT MANAGER / INCIDENT COMMANDER INITIAL RESPONSE TRAINING

ACCREDITATION

MSTS ASIA

COURSE AIM & OBJECTIVE

To equip personnel with formal training in command, control, communications and stress-related factors in the management of major emergencies. In addition, this programme also provides initial emergency incident management training for personnel who are undertaking a training and competence programme to progress to the role of a Plant Manager/Incident Commander.

COURSE LEARNING OUTCOMES

The objectives of the Plant Manager / Incident Commander Initial Response Training are that delegates will be able to:

a) Understand the key factors of preparing for, responding to, and maintaining control throughout the development or escalation of an emergency situation.

b) Learn how to manage communication, emergency-related information and put into place predetermined plans at the point when the emergency alarm has been raised, to the point when the emergency manager is assured that the emergency is over.

c) Understand how stress can impact on individuals and team performance during emergencies.

d) Have the opportunity to role-play as the emergency manager in a minimum of two specific types of emergency scenarios. This is a key element of the training programme and is backed up by constructive feedback from the course instructional team.

Plant Manager / Incident Commander Initial Response Training

PRE-REQUISITES

Delegates should hold the position of Plant Manager, Incident Commander or designated to hold these positions dependent on assessment outcome and prior learning achievements. Sufficient additional personnel need to attend to facilitate the make-up of the other key members of the control room. Proficiency in written and spoken English is a must

COURSE OUTLINE

The training modules will cover the following topics:

1) Review, manage and assess the information available in an emergency situation in a timely manner.
2) Establish priorities and take effective action.
3) Implement predetermined emergency plans and procedures in the context of the current emergency.
4) Efficiently communicate information and instructions.
5) Keeping appropriate agencies informed through the support Incident Management Team.
6) Monitor and control resources.
7) Evaluate progress and communicate changes in plans and priorities.
8) Effectively delegate authority and manage individuals and teams.
9) Recognize and deal with stress in themselves and others.

TARGET GROUP

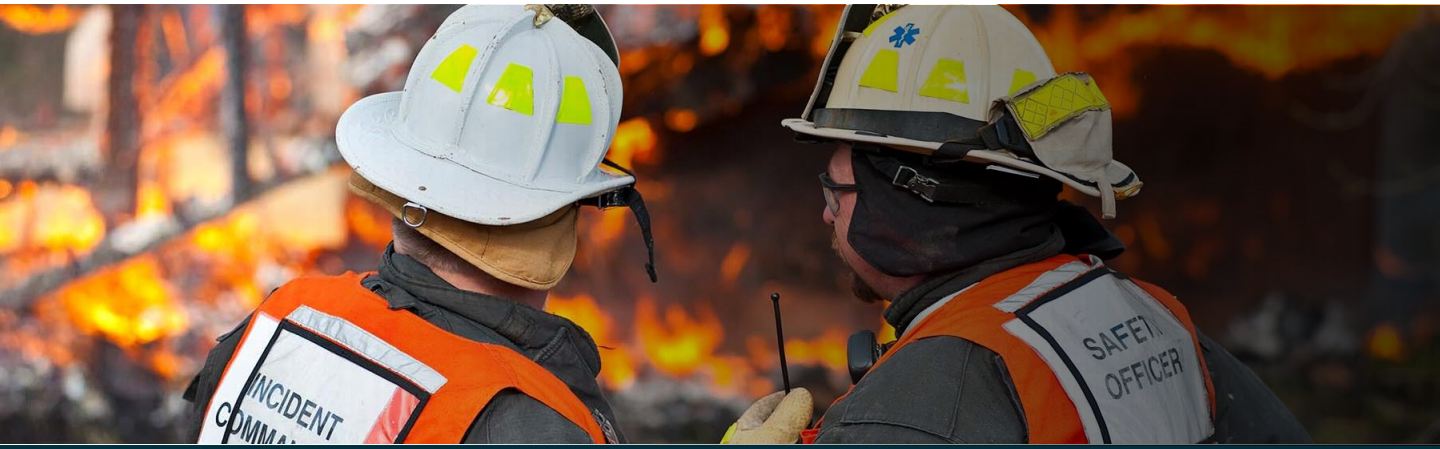
The target group for Plant Manager / Incident Commander Initial Response is personnel who are either designated as being in charge of , are members of , or provide support to an incident management team in an emergency.

DURATION

4 Days

CERTIFICATE VALIDITY

No Expiry



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COURSE

CONTROL ROOM OPERATOR EMERGENCY RESPONSE

ACCREDITATION

MSTS ASIA

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COURSE AIM & OBJECTIVE

The aim and objective of the CRO Emergency Response Competence Assessment are to formally assess the candidate in the role of the CRO during an emergency situation in a simulated environment.

PRE-REQUISITES

Candidate pre-requisites for CRO Emergency Response Competence Assessment

The following pre-requisites are required:

The following pre-requisites are required:

1. A formal declaration from the candidate's employer confirming that the candidate has achieved the performance criteria in Unit 1, Element 1.1 in the workplace, and that the candidate has been deemed ready for formal assessment against Elements 1. 2 to 1.3.

Control Room Operator Emergency Response

LEARNING OUTCOMES

The CRO Emergency Response Competence units and elements are detailed below:

Module 1 Control Emergencies and Critical Situations

The candidate must demonstrate the following that they know and understand:

Element 1.1 Maintain a State of Readiness

Element 1.2 Control Critical Situations

Element 1.3 Respond to Emergencies

The candidate will be assessed against the performance criteria specified in Elements 1.2 and 1.3 under simulated conditions using a minimum of 2 and a maximum of 3 emergency scenarios based on the type of asset where the candidate is normally required to fulfil the CRO role as agreed and confirmed by the Duty Holder.

TARGET GROUP

The target group for CRO Emergency Response Competence Assessment are personnel who have been deemed ready by their employer to be formally assessed in the role of a CRO during an emergency situation

DURATION

1 - 3 days (2 CRO assessed per day)

CERTIFICATE VALIDITY

The CRO Emergency Response Competence Standard has no formal expiry date. However, it is recommended that candidates are re-assessed, as a minimum, every 3 years.

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COURSE

CONFINED SPACE RESCUE

ACCREDITATION

MSTS ASIA

COURSE AIM

During the course delegates will gain a basic level of understanding on the legislative, company requirements, recognizing hazards and gases, pre-entry requirements, safe working code of practices, use of breathing apparatus and gas testing devices, emergency evacuation procedures and rescue techniques.

PRE-REQUISITES

All delegates must be in possession of a valid medical and Confined Space Entry certificates.

LEARNING OUTCOMES

To successfully complete this training delegates must be able to explain and demonstrate:

1) **Initial response strategy**
2) **Search and rescue**
3) **USE of SCBA**
4) **Rescue techniques**
5) **USE of Tripod**
6) **Use of oxygen resuscitator**
7) **Practical CPR**

PRE-REQUISITES

All delegates must be in possession of a valid medical and Confined Space Entry certificates.

TARGET GROUP

This course is designed for all personnel who are involved in entering or supervising the entry of confined space activities and Emergency Response Teams.

DURATION

1 day

CERTIFICATE VALIDITY

The validity of the certificate is three (3) years

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COURSE

WORKING AT HEIGHT LEVEL 3 - RESCUE

ACCREDITATION

MSTS ASIA

COURSE OBJECTIVE

During the course delegates will learn and demonstrate an understanding of the activities and hazards related to Working at Height. Delegates will also demonstrate to a level of competence self rescue techniques and apply the various methods of Rescue from Height.

LEARNING OUTCOMES

To successfully complete this training delegates must be able to explain and demonstrate the following:

1) **Principles of Working at Heights**
2) **Activities relating to Working at Height**
3) **Legislation – Acts, Regulations, Guidelines relating to Working at Height**
4) **Hazards relating to Working at Height**
5) **Hazard Management & Control**
6) **Equipment used for Rescue from Height**
7) **Application of equipment used for Rescue from Height**
8) **PPE required for Rescue from Height**
9) **Self-Rescue Techniques in an emergency situation**
10) **Rescue from Height – Response Methodology**

Working at Height – Level 3

PREREQUISITES

All delegates must be in possession of a valid medical certificate and Working at Height Level 1 & 2.

TARGET GROUP

This course is designed for personnel designated as Emergency Response Team members in organization where personnel are exposed to working at height operations .

DURATION

1 day

VALIDITY

3 years

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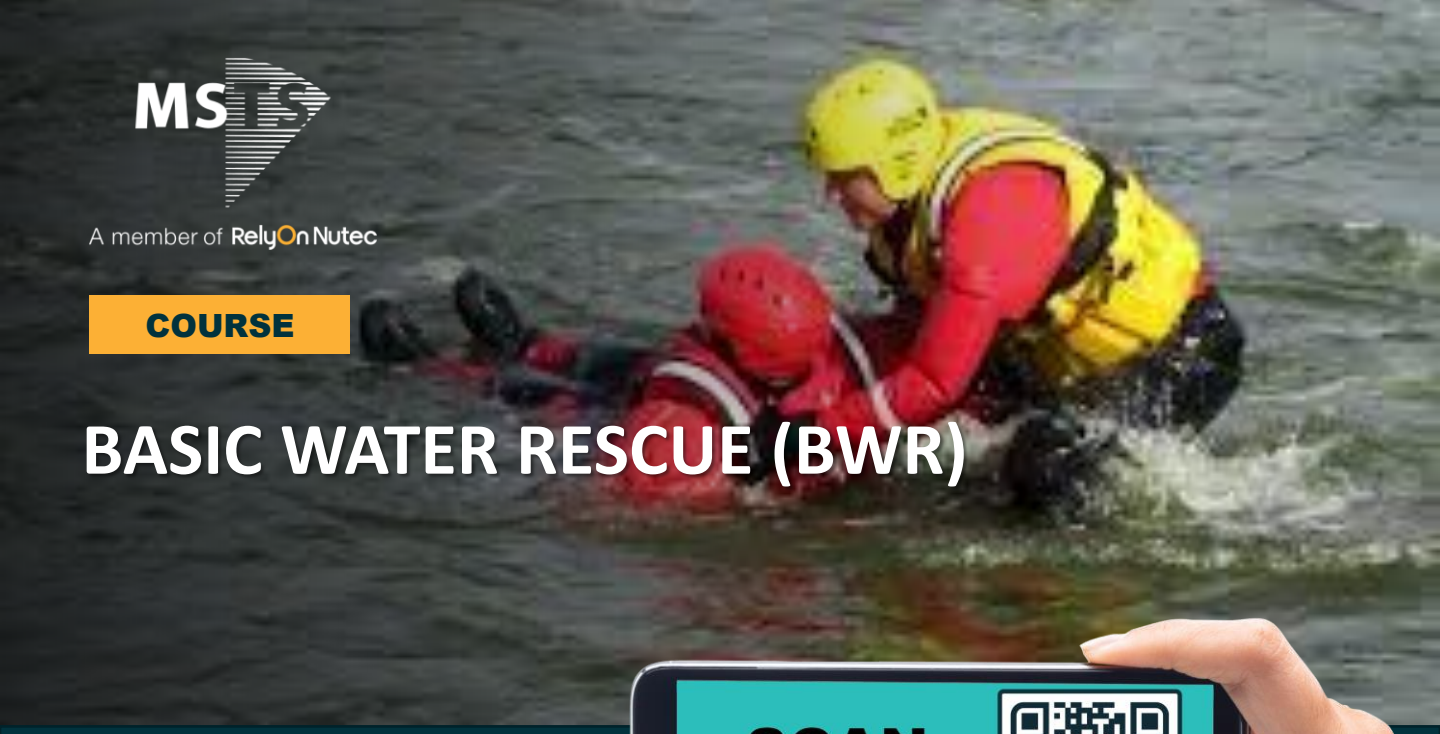
COURSE

BASIC WATER RESCUE (BWR)



ACCREDITATION

MSTS ASIA

COURSE AIMS AND OBJECTIVES

The programme is designed to provide participant with knowledge to act at an awareness level when encountering water emergencies. Provide participant with the skills needed to develop safe strategies to remove victims from a wide variety of water emergencies.

COURSE LEARNING OUTCOMES

To successfully complete this training, delegates are required to demonstrate competency and proficiency on the following:

1) Explain foundation knowledge
2) Demonstrate basic water swimming techniques
3) Demonstrate Shallow water techniques
4) Demonstrate tethered rescue techniques
5) Demonstrate various knots

PRE-REQUISITES

All delegates must be in possession of a valid medical and must be a confident swimmer.

COURSE OUTLINE

Delegates will be briefed on the following key areas.

1. Rescue 3 philosophy
2. Training standards
3. Hydrology and water hazards
4. Personal equipment
5. Technical and team equipment
6. Pre-planning
7. Risk assessments
8. Incident size-up
9. Incident management and site control
10. Medical and decontamination considerations
11. Considerations for night/poor visibility operations
12. Mud, ice and unstable surface considerations
13. Communications
14. Accidental immersions considerations
15. Search considerations
16. Water entry and exit
17. Shallow water techniques
18. Swimming techniques and self rescue
19. Conditional rescues - talk, reach, throw
20. True rescues - tethered, untethered
21. Rescue platforms, sleds and boards
22. Masks, fins and floating rescue devices
23. Casualty management
24. People and equipment entrapments
25. Knots
26. Inflated fire hose (if used

TARGET GROUP

This programme specially designed for personnel who may be deployed to a basic (still) water environment, such as lakes, ponds and canals, where they may be required to undertake rescues.

DURATION

2 Days

CERTIFICATE VALIDITY

The validity of the certificate is 3 years

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COURSE

HAZMAT

ACCREDITATION

MSTS ASIA

COURSE AIMS AND OBJECTIVES

During the course participants will gain knowledge and skills necessary to effectively and safely respond to and take an active combatant role at an emergency incident involving hazardous material.

COURSE LEARNING OUTCOMES

During the training programme, delegates will be required to demonstrate their skills and understanding of the following key areas.

To successfully complete this training delegates must be able to demonstrate:

1. Identify chemical hazards and handle chemicals safely during emergency spillage.
2. Manage and reduce chemical risks at the workplace during spillage
3. Understand the chemical safety datasheet and chemical labels during emergency spillage.
4. Identify appropriate personal protective equipment during emergency situation.
5. Estimating where the spill will travel and how quickly that will happen;
6. Analyzing biological and human-use resources that may be impacted;
7. Considering tradeoffs of spill response techniques.
8. Assisting with the response, cleanup, sampling, and post-spill damage assessment and restoration

PRE-REQUISITES

All delegates must be in possession of a valid medical and basic fire fighting certificates

COURSE OUTLINE

Delegates will be briefed on the following key areas.

1. Definition of HAZMAT
2. Hazards of Hazardous Materials
3. Identifying Hazardous Materials
4. Personal Protective Equipment
5. Breathing Apparatus applicable to HAZMAT PPE
6. HAZMAT Test Kits
7. Protection Levels
8. Communication
9. Assessing Various Situations
10. HAZMAT Sign Recognition
11. Responding to and controlling at a HAZMAT emergency incident
12. Decontamination Procedures and Equipment

TARGET GROUP

This course is designed for all personnel working with hazardous materials

DURATION

3 Days

CERTIFICATE VALIDITY

The validity of the certificate is 3 years

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COURSE

LNG AWARENESS

ACCREDITATION

MSTS ASIA

COURSE AIM AND OBJECTIVES

The course was developed to explain and examine the history, properties, distribution, dangers and needs when dealing with Liquefied Natural Gas (LNG). As the use, need, production and worldwide transportation of LNG grows, a more thorough understanding of the product becomes essential for emergency responders on all levels. The course will explain the production process, transportation methods and potential emergency response scenarios of LNG. At the completion of the course, the student will have a better understanding and awareness of Liquefied Natural Gas..

COURSE LEARNING OUTCOMES

By the end of the course, participants will:

- Understand the oil and gas industry structure
- Understand the LNG project lifecycle
- Discover contemporary issues and industry trends
- Discover technical aspects of oil and gas creation and development
- Understand the gas liquefaction process
- Discover how LNG is stored, loaded and shipped
- Review the structure of LNG receiving terminals
- Appreciate LNG hazards and safety considerations including knowledge and understanding of process safety management.

PRE-REQUISITES

No pre-requisites are required.

COURSE OUTLINE

The course presentations will cover the following topics:

- Hazards associated with LNG
- Dense phase gas dispersion
- LNG transportation by land and sea, including ship to shore transfer
- Rapid Phase Transition (RPT)
- LNG jet and pool fire characteristics
- Introduction to BLEVE's.

TARGET GROUP

The course is suitable for all those involved in the production or handling of LNG.

DURATION

1 Day

CERTIFICATE VALIDITY

There is no expiry for this training

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Range: Safety Awareness

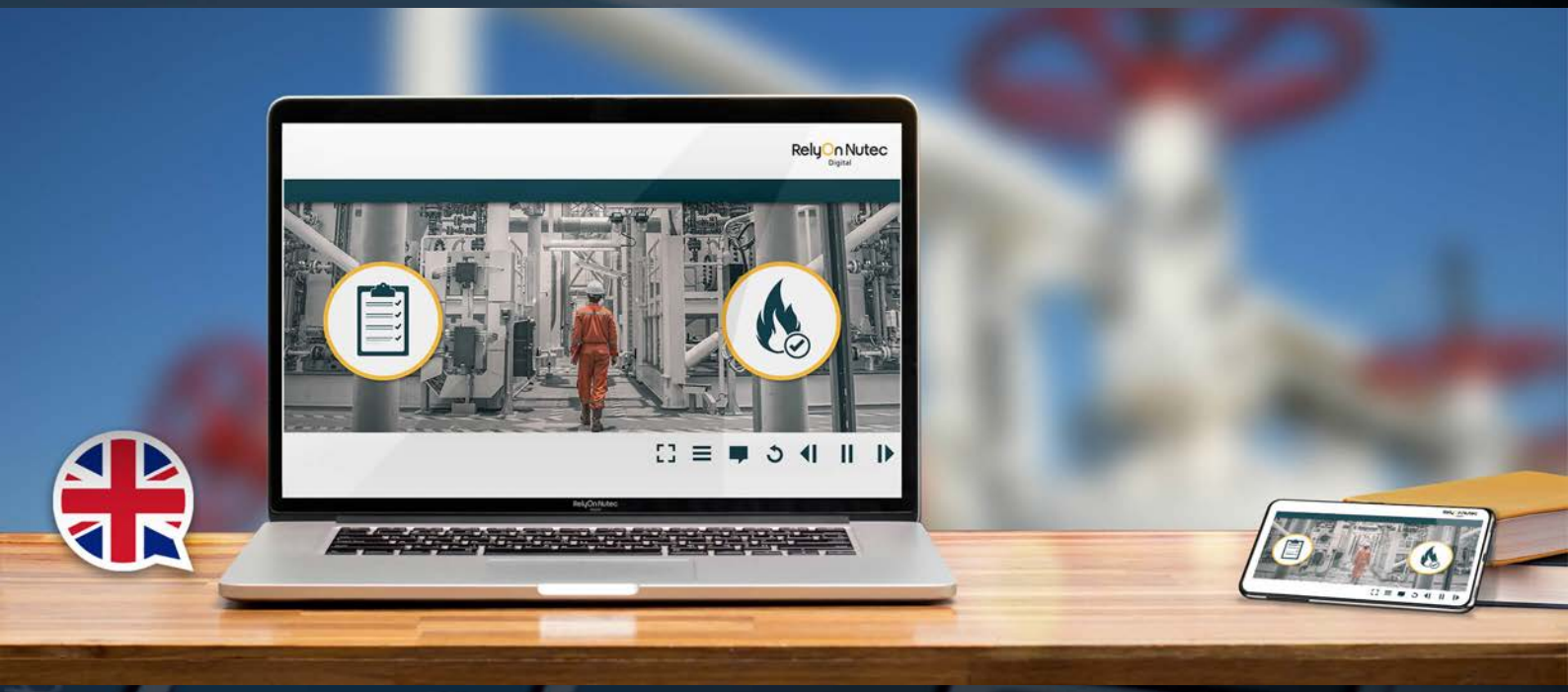
Fire Warden Awareness

Focus : Health and Safety | Oil and Gas
Duration : 15 minutes **Questions :** 12
Price band : A **Language :** English

Course outline: This course has been designed to provide an awareness of the Fire Warden role. You will learn about the associated proactive and reactive duties, and the responsibilities that you may have during emergency situations. The course provides a suitable general introduction for all employees, including those who may be interested in taking up a Fire Warden role in future.

Learning objectives:

LO1: Summarise the relevant legislation and requirements associated with the Fire Warden role
LO2: Describe the key responsibilities of the Fire Warden role
LO3: Explain the purpose and structure of a Fire Risk Assessment
LO4: Summarise the core proactive duties associated with the Fire Warden role
LO5: Explain the Fire Wardens role and duties upon discovery of a fire
LO6: Describe the Fire Wardens responsibilities regarding emergency evacuation procedures
LO7: Describe the Fire Wardens role in liaising effectively with the emergency services



Range: Safety Awareness

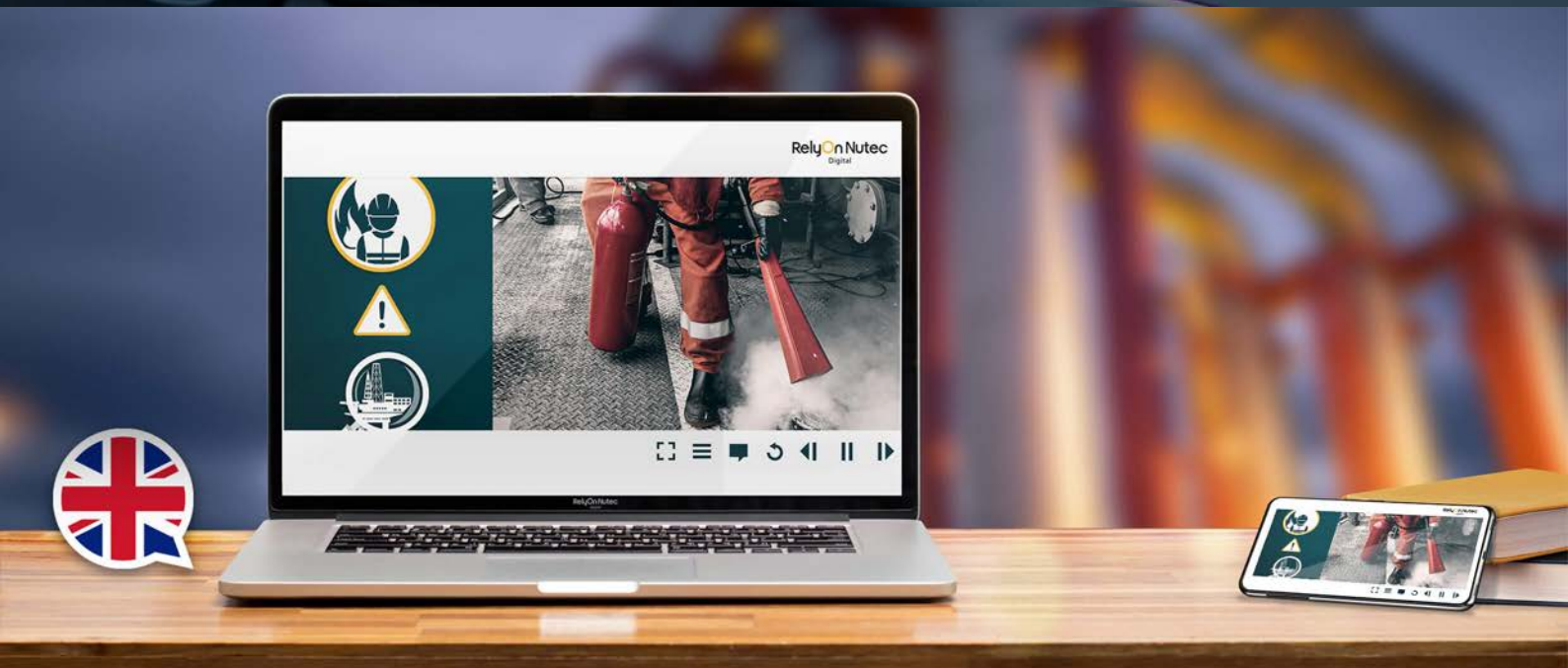
Fire Warden and Fire Safety Awareness

Focus : Health and Safety | Oil and Gas
Duration : 60 minutes **Questions :** 22
Price band : B **Language :** English

Course outline: This course has been designed to provide staff at all levels of the organisation with a solid understanding of fire safety in the workplace, from both employer and employee perspectives. You will learn about the specific role, responsibilities, and duties of the Fire Warden. Following this, you will your build knowledge and understanding on the theory of fire, how it starts, and how it can spread in different situations. You will also gain valuable practical guidance on fire prevention, workplace firefighting equipment, and the correct procedures to follow in an emergency situation.

Learning objectives:

LO1: Summarise the relevant legislation and requirements associated with the Fire Warden role
LO2: Describe the key responsibilities of the Fire Warden role
LO3: Explain the purpose and structure of a Fire Risk Assessment
LO4: Summarise the core proactive duties associated with the Fire Warden role
LO5: Explain the Fire Wardens role and duties upon discovery of a fire
LO6: Describe the Fire Wardens responsibilities regarding emergency evacuation procedures
LO7: Describe the Fire Wardens role in liaising effectively with the emergency services
LO8: Identify relevant legislative requirements for fire safety in the workplace
LO9: Explain how the Fire Tetrahedron works
LO10: Explain the contributing factors of fire spread and intensity
LO11: Identify the various types of fire gases
LO12: Recognise relevant fire signage used in the workplace
LO13: Identify potential fire hazards within the workplace
LO14: Explain good practice for workplace fire prevention
LO15: Describe the actions you should take in an emergency
LO16: Identify the various classes of fire and associated means of suppression
LO17: Explain how to safely use different extinguisher types



Range: Personal Effective Skills

Introduction to First Aid

Focus : Health and Safety | Oil and Gas | Maritime | Aviation | Defence | HMS |Industry |Security | Wind | Construction

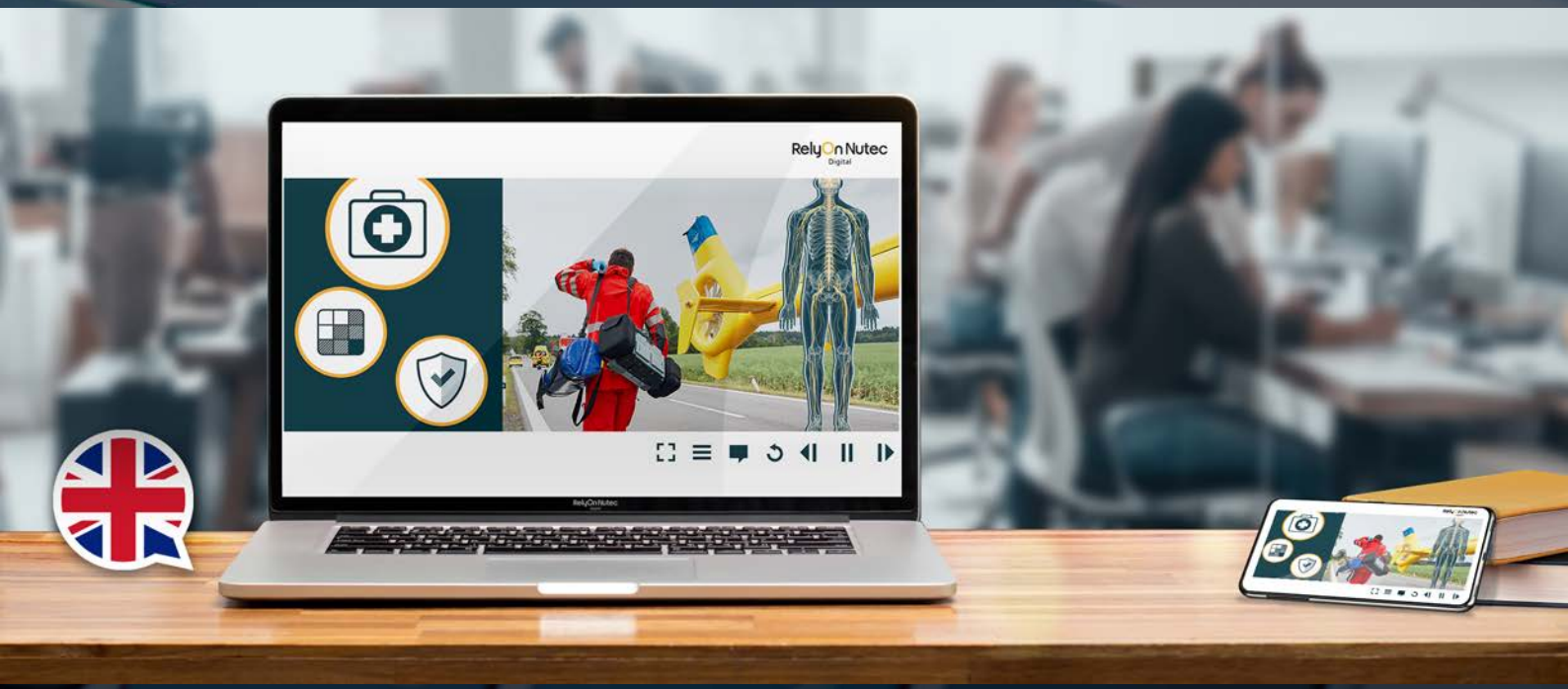
Duration : 45 minutes **Questions :** 32

Price band : A **Language :** English

Course outline: The aim of this course is to provide the delegate with an awareness of key first aid basics. You will learn about the associated legislation, human anatomy, how to manage a first aid incident and lifesaving using primary and secondary survey methods.

Learning objectives:

LO1: Explain different Basic Life Support guidelines
LO2: Explain the relevant national and global legislation
LO3: Explain the normal life conditions for the human body
LO4: Explain the vital systems of the human body
LO5: Explain safety in an emergency situation
LO6: Explain how to manage an incident
LO7: Explain the 'C'-A-B-C Principle
LO8: Explain haemostasis of critical/catastrophic external haemorrhage
LO9: Explain first aid for obstruction of airways
LO10: Explain first aid for an unresponsive casualty
LO11: Explain the theory and practice of AEDs
LO12: Explain first aid for external and internal bleeding
LO13: Explain shock
LO14: Explain secondary survey
LO15: Explain different incident types
LO16: Explain minor to serious incidents
LO17: Explain psychological First Aid



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RELIABILITY LEADERSHIP PARTNERSHIP INNOVATION

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