

# ONLINE COURSE AND LEARNING MANAGEMENT SYSTEM PACKAGES



Oilennium  
Online Interactive Learning

## 2011/12 BROCHURE



simulations

elearning courses

animations

[www.oilennium.com](http://www.oilennium.com)

[sam@oilennium.co.uk](mailto:sam@oilennium.co.uk)

+44 (0) 1508 522700

# ESSENTIAL HEALTH AND SAFETY

## PERSONAL PROTECTIVE EQUIPMENT (PPE)

Course Learning Objectives:

- Understand the regulations with regards to PPE.
- Use of Personal Protective Equipment.
- The consideration of different types of PPE.
- How to check your PPE for faults.
- What to do if your PPE isn't right.



**Approximate Duration: 30 minutes**

## PROVISION AND USE OF WORK EQUIPMENT REGULATIONS (PUWER)

Course Learning Objectives:

- Workplace regulations and definitions.
- Equipment Controls, marking and warnings.
- Understanding the law and equipment in the workplace.
- The importance of maintenance and inspection.
- Employee responsibilities.



**Approximate Duration: 40 minutes**

## LIFTING OPERATIONS AND LIFTING EQUIPMENT REGULATIONS (LOLER)

Course Learning Objectives:

- What LOLER is and why it is important?
- Who LOLER affects?
- The need for proper planning.
- Equipment used for lifting.
- The importance of inspection.



**Approximate Duration: 30 minutes**

# ESSENTIAL HEALTH AND SAFETY

## CONTROL OF SUBSTANCES HAZARDOUS TO HEALTH (COSHH)

Course Learning Objectives:

- What is COSHH.
- The legal implications.
- Minimising exposure to hazardous substances.
- Potential health effects of exposure.
- Importance of COSHH in the workplace.



**Approximate Duration: 35 minutes**

## MANUAL HANDLING

Course Learning Objectives:

- What Manual Handling is.
- The laws and regulations.
- Why awareness is important.
- How to avoid injury and how to lift correctly.
- Assessing lifting operations associated with Manual Handling.



**Approximate Duration: 40 minutes**

## HEALTH AND SAFETY

Course Learning Objectives:

- Demonstrate the key legal framework of the Health and Safety at Work Act.
- Identify your own responsibilities in the work place.
- Identify your employee's responsibilities.
- Learn the impact of an accident at work.
- Describe the role of a Health and Safety Inspector.



**Approximate Duration: 30 minutes**

# QUALITY HEALTH SAFETY ENVIRONMENT (QHSE)

## RISK ASSESSMENT

Course Learning Objectives:

- Learn the differences between hazards and risks.
- Learn how to identify hazards and measure risks.
- Learn how to reduce risks to As Low as Reasonably Practicable (ALARP).
- Compare different recording and monitoring methods.

**Approximate Duration: 20 minutes**



## SLIPS, TRIPS AND FALLS

Course Learning Objectives:

- The consequences of a slip or a trip.
- Who is affected by slip or trip incidents.
- How to identify the hazards.
- What you can do to prevent slips, trips and falls in the workplace.

**Approximate Duration: 35 minutes**



## WORKING AT HEIGHT

Course Learning Objectives:

- Definition of working at height.
- Hazard awareness.
- To understand the use of personal fall protection equipment.
- To recognise what the safe types of access are.

**Approximate Duration: 35 minutes**



# QUALITY HEALTH SAFETY ENVIRONMENT (QHSE)

## HAND ARM VIBRATION SYNDROME (HAVS)

Course Learning Objectives:

- Explain what HAVS is.
- Identify the causes of HAVS.
- Recognising the symptoms of HAVS.
- Preventing permanent damage to your health.



**Approximate Duration: 40 minutes**

## ASBESTOS AWARENESS

Course Learning Objectives:

- The history of asbestos, and why it was used.
- Learning to identify asbestos, in its various forms.
- Identifying the dangers that asbestos can present.
- The regulations that govern asbestos handling and disposal.
- The options you may have if you discover asbestos.



**Approximate Duration: 40 minutes**

## HYDROGEN SULPHIDE AWARENESS

Course Learning Objectives:

- What Hydrogen Sulphide is.
- Define the differences in how H<sub>2</sub>S is formed.
- Recognise the places you may find H<sub>2</sub>S.
- Identify the dangers that H<sub>2</sub>S presents.
- Illustrate how to mitigate the risks associated with H<sub>2</sub>S.



**Approximate Duration: 30 minutes**

# QUALITY HEALTH SAFETY ENVIRONMENT (QHSE)

## CONFINED SPACE ENTRY

Course Learning Objectives:

- Recognise what can be classified as a confined space.
- Identify some of the potential hazards associated with confined spaces.
- Identify the risks are and how to control them.
- Learn what to do in the event of an emergency.

**Approximate Duration: 40 minutes**



## STRESS MANAGEMENT

Course Learning Objectives:

- Recognise stress symptoms.
- Identify techniques for managing stress.
- Identifying better lifestyle choices.
- Adopt a better work life balance.

**Approximate Duration: 40 minutes**



## DISPLAY SCREEN EQUIPMENT (DSE)

Course Learning Objectives:

- Explain what is meant by DSE and why awareness is important.
- Answer some of the common questions asked regarding DSE.
- Set your own workstation up correctly and ergonomically.
- Know where to look for further information and support.

**Approximate Duration: 30 minutes**



# QUALITY HEALTH SAFETY ENVIRONMENT (QHSE)

## SHELL - 12 STEPS TO SAFETY

Course Learning Objectives:

- Explain the 12 lifesaving rules used by Shell.
- Consider the consequences of rule breaking.
- Identify your role in compliance with the safety rules.
- Support Shell's Goal Zero journey.



**Approximate Duration: 40 minutes**

## INTRODUCTION TO PRESSURE SAFETY MODULE 1

Course Learning Objectives:

- To identify pressure and recognise the different types of pressure.
- How pressure is measured.
- The different units used in pressure measurement.
- How a change in pressure can affect fluid temperature.



**Approximate Duration: 30 minutes**

## INTRODUCTION TO PRESSURE SAFETY MODULE 2

Course Learning Objectives:

- An awareness of pressure in the workplace.
- The preventions and controls that are used.
- On-site operations.



**Approximate Duration: 40 minutes**

# QUALITY HEALTH SAFETY ENVIRONMENT (QHSE)

## NOISE AWARENESS

### Course Learning Objectives:

- Identify the rules and regulations associated with noise.
- Learn how to assess noise levels at your workplace.
- Be aware of how noise can affect your health.
- Carry out noise control measures in the workplace.
- Identify the different types and importance of hearing protection.

**Approximate Duration: 30 minutes**



## SAFETY OBSERVATION SYSTEMS

### Course Learning Objectives:

- What is Safety Observation?
- How Does Safety Observation Work?
- The Benefits of Safety Observation.

**Approximate Duration: 30 minutes**



## QUALITY

### Course Learning Objectives:

- Define Quality.
- Explain the role of Quality Management Systems (QMS).
- Identify Quality processes.
- Define responsibilities within a QMS.
- Summarise the use of reports.

**Approximate Duration: 30 minutes**



# QUALITY HEALTH SAFETY ENVIRONMENT (QHSE)

## INTRODUCTION TO PERMIT TO WORK

### Course Learning Objectives:

- Identify what a Permit to Work is and what types there are.
- Learn your own responsibilities when working with a Permit to Work.
- Realise the importance of proper work planning and Risk Assessments.
- Identify the essential components of a Permit to Work.
- Identify the need for training in Permit to Work systems.



**Approximate Duration: 35 minutes**

# TECHNICAL COURSES

## INTRODUCTION TO FITTINGS MODULE 1

Course Learning Objectives:

- Fitting safety.
- Types of fitting.
- Sealing the threads.
- Thread damage and prevention.



**Approximate Duration: 35 minutes**

## INTRODUCTION TO FITTINGS MODULE 2

Course Learning Objectives:

- Compression fittings.
- Sealing fittings.
- Pressure ratings.
- Thread problems.



**Approximate Duration: 30 minutes**

## INTRODUCTION TO HAMMER UNIONS

Course Learning Objectives:

- What a Hammer Union is.
- How to recognise a Hammer Union.
- How a Hammer Union Seals.
- Consequences of mismatching Hammer Unions.
- How to maintain a Hammer Union.



**Approximate Duration: 40 minutes**

# TECHNICAL COURSES

## INTRODUCTION TO HOSES

Course Learning Objectives:

- Hose design and composition.
- Proper usage of hoses.
- Bend tolerance.
- Hose restraining systems.

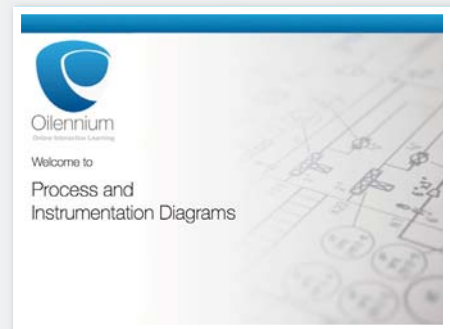


**Approximate Duration: 30 minutes**

## PROCESS AND INSTRUMENTATION DIAGRAMS (P&ID)

Course Learning Objectives:

- What does P&ID stand for and what it is used for?
- What P&ID symbols represent.
- How pressure and flow is shown on P&IDs.
- How to understand the basic parts of a P&ID.
- How equipment is represented on P&IDs.



**Approximate Duration: 30 minutes**

## DOUBLE BLOCK AND BLEED

Course Learning Objectives:

- Evaluate current knowledge on double block and bleed set up.
- Illustrate how to set up a double block and bleed.
- Create a double block and bleed using a P&ID.
- Produce multiple double block and bleeds on a single system.



**Approximate Duration: 40 minutes**

# TECHNICAL COURSES

## INTRODUCTION TO PNEUMATICS

### Course Learning Objectives:

- Describe how a pneumatic system operates.
- Identify the components that make up a system.
- Appreciate basic pneumatic theory.
- Be aware of the health & safety requirement when using a pneumatic system.



**Approximate Duration: 35 minutes**

## INTRODUCTION TO HYDRAULICS

### Course Learning Objectives:

- Recognise Hydraulics within your own workplace as well as industry.
- Be aware of the operation of a basic hydraulic system.
- Describe the operation of components that make up a system.
- Appreciate basic hydraulic theory.
- Identify symbols for each component that make up a system.
- Explain the basic safety requirements for using a hydraulic system.



**Approximate Duration: 30 minutes**

## PIGS AND PIGGING

### Course Learning Objectives:

- Why the process of pigging is essential.
- The various types of pig and their specific uses.
- The equipment used for pigging.
- Hazards and specific PPE related to pigs and pigging.



**Approximate Duration: 30 minutes**

# TECHNICAL COURSES

## INTRODUCTION TO BOLTED JOINT AWARENESS

Course Learning Objectives:

- Identify the different components of a bolted joint.
- Summarise the assembly process.
- Evaluate the risks associated with bolted joint assembly.
- Recognise how to mitigate these risks.



**Approximate Duration: 35 minutes**

## INTRODUCTION TO ELECTRICITY

Course Learning Objectives:

- Explain what electricity is and how it is used.
- Identify the dangers inherent with electricity.
- Calculate voltage, amps, watts and resistance.
- Summarise the various terms relating to electricity and circuits.



**Approximate Duration: 40 minutes**

## BASIC MATHS MODULE 1

Course Learning Objectives:

- Identify systems of measurement.
- Identify and recognise signs and symbols.
- Identify power numbers.



**Approximate Duration: 30 minutes**

# TECHNICAL COURSES

## BASIC MATHS MODULE 2

Course Learning Objectives:

- Identify how to calculate lengths, area and volume.
- Calculating the rate of flow.



**Approximate Duration: 30 minutes**

# INTRODUCTION TO OIL AND GAS COURSES

## HISTORY OF OIL AND GAS

Course Learning Objectives:

- The early uses of oil.
- The origins of the modern oil industry.
- New technologies for oil acquisition.
- The political, social and financial impacts of oil and gas.



**Approximate Duration: 35 minutes**

## GEOLOGY, HYDROCARBONS AND EXPLORATION

Course Learning Objectives:

- Geology & the Petroleum Industry.
- A brief history of Geology.
- Rocks and how they are formed.
- Hydrocarbons and how they are found.
- Exploration for Materials.



**Approximate Duration: 30 minutes**

## RIGS AND INSTALLATIONS

Course Learning Objectives:

- Rig types and capabilities.
- Drilling rig equipment and how it has improved.
- The people required to drill a well.



**Approximate Duration: 40 minutes**

# INTRODUCTION TO OIL AND GAS COURSES

## DRILLING

Course Learning Objectives:

- The different components that make up the Drill String.
- The role of the Mud System.
- How casing and cementing of the well is carried out.
- Different methods of well control.
- The all-important drilling operation itself.

**Approximate Duration: 40 minutes**



## EVALUATION

Course Learning Objectives:

- The methods used to evaluate a well.
- The type of data gathered and how we use that data.
- The different stages in a well and reservoir
- When evaluation is required.

**Approximate Duration: 40 minutes**



## COMPLETIONS

Course Learning Objectives:

- How well completions produce the hydrocarbons.
- How reservoir and mechanical considerations govern design.
- The various different completion designs that may be utilised.
- Components that must be incorporated into the design to optimise production in a safe manner.

**Approximate Duration: 30 minutes**



# INTRODUCTION TO OIL AND GAS COURSES

## PRODUCTION

Course Learning Objectives:

- How production and processing facilities function.
- How oil and gas is separated within a common process system.
- In what way hydrocarbons are transported from a well and production plant.
- Look at the process of refining and how various petrochemicals are manufactured.

**Approximate Duration: 35 minutes**



## ADVANCED TECHNIQUES AND INTERVENTION

Course Learning Objectives:

- Identify alternative methods for well construction.
- Recognise well intervention techniques.
- Gain an awareness of well maintenance solutions.

**Approximate Duration: 35 minutes**



## OFFSHORE

Course Learning Objectives:

- Evaluate the logistics of working in an offshore environment.
- Explain the technological challenges faced.
- Recognise the increased hazards.
- Consider the additional safety factors.

**Approximate Duration: 35 minutes**



# LEARNING MANAGEMENT SYSTEM

## OILENNIUM'S LEARNING MANAGEMENT SYSTEM (LMS)

Using a Learning Management System, you can deploy and deliver hundreds of online courses to thousands of staff. They can take their training anywhere in the world, from home, from a hotel room, from offshore. The LMS is an intuitive application for the tracking, reporting and administering of eLearning programs and training content.



## FLEXIBILITY AND USABILITY

Our LMS is built with the user in mind and is easily accessible to all. Each delegate can start and stop courses at any time giving you and the delegate the flexibility they need to train successfully.



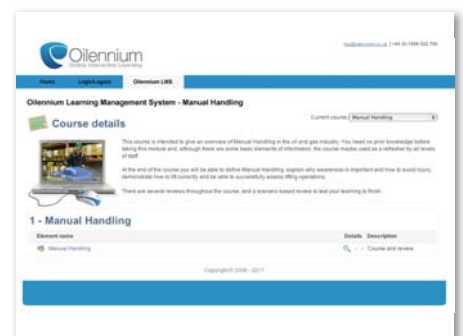
## MANAGEMENT CONTROL AND COMPETENCE

Managers have full access to all delegates' completion data which is logged, tracked and analysed so you have full control to see what your delegates have or haven't done.

An LMS acts as a central hub for your company's training needs, as it can:

- Track delegates progress.
- Alert management to courses being completed.
- Allow delegates to keep an accurate training record.
- Build competency records.
- Provide accurate training over time planning.

An LMS can also support classroom-based training, by having staff undertake a structured online course before they attend a classroom course. Therefore, the trainer can be sure that attendees have the required level of understanding, ensuring they gain maximum benefit from the session. Full support from friendly, trained technicians to assist your delegates is also available.



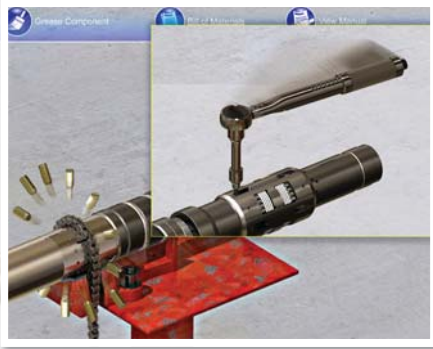


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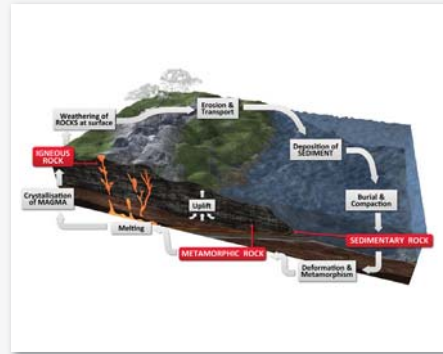


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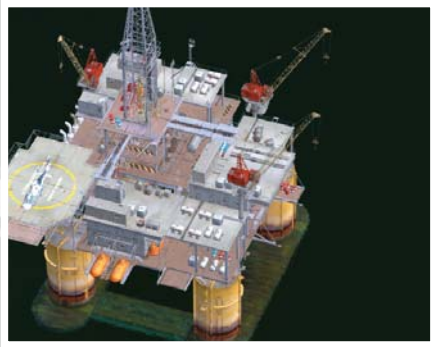


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**Manual Handling**



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**Drilling**



Image from  
**Introduction to Risk Assessment**



Image from  
**Double Block and Bleed Simulator**



Image from  
**Rigs and Installations**

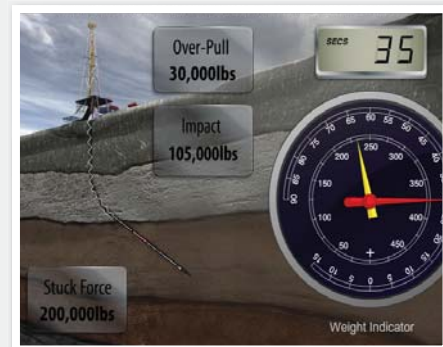


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**Rigs and Installations**



**Oilennium**  
Online Interactive Learning



**ALL YOUR TRAINING  
REQUIREMENTS IN ONE BOX**