



# Energy-Redefined

## Training in Energy and Carbon: Introduction to Oil and Gas

### Introduction

Energy Redefined is a company based in Scotland UK, focusing on providing innovative solutions to energy companies navigating the transition to a Cleaner Economy. We are a clean energy intelligence company collecting hard to find data, processing and analyzing it to write reports, consult and provide training. We are a small company providing innovative services to those companies operating in the Energy arena. We create real actionable guidelines and provide valuable alternative insights. Although we are small we have access to a network of specialists in risk management, smart metering, energy economics, Carbon trading and offsets, technology and operations.

### Overview

Essentially this is a course on how the oil and gas industry works from Oil formation to final processing. It is an introductory course for someone entering the industry. This popular course will enable you to:

- Understand how oil and gas is created
- What oil and gas is, how its transported from the ground to the consumer?
- How it pervades our everyday lives
- An overview of the costs of producing oil - examples
- An overview of how – what's an oil rig, refinery, exploration, drilling – how do the operations differ around the world?
- What's the difference between upstream midstream and downstream?
- Understand that there are different types of crude oil – Assays

- What do we mean by Unconventional oil and gas and why is this important
- What is natural gas and how is it delivered
- Understand how oil/gas pricing works
- An overview of refining and petrochemicals
- The future of oil and gas

## **Course Content**

- What is oil, nature of petroleum industry
- Structure of industry
- Finance, Oil taxation, pricing – an introduction
- Environmental Issues - Overview
- Role of Geology/Geophysics/Seismic
- Unconventional oil and gas (eg shale gas, Tar Sands )
- Drilling
- Production
- Frontier oil and gas plays – what are they and why are they important
- Transport of Oil and Gas (Pipelines, Tankers, LNG)
- The Character of Crude Oil
- Refining
- Petrochemicals
- Marketing and distribution
- Natural Gas – Overview
- Unconventional gas – Shale gas and fracking
- Supply and Demand – Overview of where oil is produced and consumed

## **Why you might want to go on one of our Courses**

Some of the greatest challenges faced by governments and businesses today are concerned with energy. It is now widely accepted that there needs to be a shift in the way we think about this valuable resource, both where it comes from and how we use it.

This essentially means that there is a growing need for a better use of the existing fossil resources. This presents a significant opportunity for businesses and individuals who have expertise in this field.

Energy Redefined was set up in 2009 to help companies in the energy arena understand future business opportunities. We have provided advice, data and analysis to some of the leading lights in this field and now we are now offering training materials to enable you to start this transition.

**Who typically attends our Courses:**

- Aspiring Energy Professionals
- New entrants to the Industry
- Professionals looking to retrain

If you would like further information please contact either our training department at [training@energy-redefined.com](mailto:training@energy-redefined.com)



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