

# Certificate in Intercontinental Oil & Gas Business Management

Improved Decision-Making from Wellhead to Consumer

## Introduction

Among the most valuable resources in the world are oil and gas. The global economy is mostly driven by the oil and gas sector. Petroleum is the world's principal fuel source and is also utilised in the production of many other items.

Modern technology is needed to handle the intricate, capital-intensive, and highly sophisticated systems and processes involved in the production and distribution of petrol and oil.

Almost never is crude oil used in its produced state. It is refined to produce residual fuel oil and 'white' products such as kerosene, diesel, petrol and cooking gas (liquefied petroleum gas). The demand for white goods is increasing significantly faster globally than the need for leftover fuel oil, which is used to produce heat or electricity.

The oil and gas industries are facing a number of challenges, including those related to climate change, alternative energies, energy substitutions, and unfavourable changes in the quality of available downstream feedstocks. As a result, the industry recognises the need for managers with a thorough and broad understanding of the sector, including economics, evaluation, and decision-making skills, as well as knowledge of future challenges that the sector will face.

Functional managers and those with limited industry experience can use this Course N Carry Certificate in Intercontinental Oil & Gas Business Management training course as a foundation for preparing for new responsibilities. It will give them a broad understanding of the entire oil and gas business and specific skills for assessing opportunities and enhanced decision making.

## Objectives

- Recognise every step that adds value from the well to the customer.
- Learn how the oil and gas sectors have structured themselves to function effectively and efficiently.
- Discover the specifics of gas processing.

- Discover the process of turning crude oil into gasoline for vehicles.
- Recognise the basic economic principles governing the upstream and downstream sectors of the oil and gas industry.
- Learn the abilities required to assess opportunities and make wise decisions on oil and gas operations.

## Training Methodology

This practical, engaging training programme for the Course N Carry Certificate in Intercontinental Oil & Gas Business Management offers a wealth of learning opportunities. It will be quite engaging, giving you the chance to share your thoughts and opinions. In an atmosphere of encouragement, participation is welcomed. A combination of teaching techniques, such as open discussion and lecture-style presentation, will be used to reinforce the topics covered in the training course and make sure they are understood.

Videos and PowerPoint slides will be used to present this Course N Carry Oil & Gas Technology training course. To further engage the delegates and promote idea sharing, case studies and led discussions will be added. Additionally, brief movies will be used to highlight key ideas and connect the course content to actual experiences.

## Organizational impacts

- Guarantee that the training will be conducted by a reputable training company with a highly qualified instructor
- Managers with a thorough awareness and comprehension of the composition and functions of the oil and gas sectors
- Workers who are knowledgeable about every aspect of oil and gas operations at all value chain levels
- Delegates who are knowledgeable with the basic economics of the gas and oil sectors
- Employees with the ability to make wiser choices and participate in the assessment of project prospects
- Videos and PowerPoint slides will be used to present the training course. To further engage the delegates and promote idea sharing, case studies and led discussions will be added. Additionally, brief videos will be used to reinforce particular points and to relate the material to real-world experience.

## Personal Impact

- A deeper comprehension of the whole scope of our sector and the difficulties we confront
- Capacity to participate in business decision-making
- Gain expertise to support the assessment of business opportunities
- Knowledge about the organisation of the oil and gas industry
- Knowledge of the essential procedures involved in producing downstream items

**Those that are interested in this Course N Carry Certification training session include:**

- Professionals in Business Development
- Ministers, officials, business associations, and employees of development agencies
- Analysts, planners, traders, sales, marketing, communications, public relations, and commercial staff in the oil and gas sector
- Managers working in the marketing, legal, human resources, accounting, and finance functional areas of the global petroleum and natural gas business
- Exploration engineers and refining technicians who want to comprehend the commercial side of their value chain
- New hires for the energy, gas, and oil industries
- Anyone looking to gain a thorough understanding of the gas and oil sector

## **Course Outline**

### **Day 1**

#### **Petroleum's Origins, Sources, and Nature**

- Overview of Petroleum Chemistry
- Hydrocarbon Deposit Origins
- Fundamentals of Petroleum Geology
- Investigative Tasks
- Production and Development of Oil and Gas Fields
- Surface Production Operations and Well Fluids

### **Day 2**

#### **Oil Companies: Business Connections and Organisational Frameworks**

- Oil & Gas Companies: Local, National, and International
- Combined and Separated Enterprises
- Petroleum Exporting Companies Organisation (OPEC)
- Agency for International Energy (IEA)
- Agreements for Production Sharing
- Operations for Storage and Transportation

### **Day 3**

## **Oil and Gas processing operations**

- **Operations for Oil Refining**
- The process of distillation
- Processes for Converting Products
- Processes for Blending & Product Improvement
- **Operations for Gas Processing**
- Separation of Inlets
- Removal and Recovery of Sulphur
- Dehydration
- Controlling Dewpoint and Recovering Byproducts
- LNG Production and Gas Compression

## **Day 4**

### **Assessment of Oil and Gas Prospects**

- Calculating the Price of Facilities for Oil and Gas
- **Employing historical costs**
- Cost Curves
- Making Modifications for Various Sizes
- Making Adaptations for Various Time Periods
- Constructing Models of Cash Flow
- Employing Cash Flow Models for Project Assessment

## **Day 5**

### **Operations and Economics Processing**

- **Fundamentals of Oil and Gas Industry Economics**
- Comparative Measures
- Net Present Value
- Internal Rate of Return
- Technical Cost per Unit
- Return and Optimal Exposure
- Making Choices in Certain and Uncertain Situations
- Risk & Uncertainty