



London TDM

# Oil and Gas Industry Training Courses

**Course Venue:** Malaysia - Kuala Lumpur

**Course Date:** From 09 November 2025 To 13 November 2025

**Course Place:** Royale Chulan Hotel

**Course Fees:** 6,000 USD

## Introduction

Welcome to the "Offshore Oil and Gas Operations" course. This comprehensive 5-day program is designed to provide participants with a fundamental understanding of the key aspects of offshore oil and gas operations. Participants will gain insights into the latest industry practices, technologies, and safety procedures critical to offshore operations. Whether you are new to the industry or seeking to enhance your skills, this course sets the foundation needed to thrive in the dynamic field of offshore oil and gas.

### Objectives

- Understand the lifecycle of offshore oil and gas operations.
- Gain knowledge of safety and environmental management practices.
- Learn about the technologies and equipment used in offshore operations.
- Analyze the economic and regulatory aspects of offshore oil and gas projects.
- Develop skills in risk assessment and management specific to offshore environments.

## Course Outlines

### Day 1: Introduction to Offshore Oil and Gas Industry

- Overview of the oil and gas industry.
- Introduction to offshore exploration and production.
- Key players and stakeholders.
- Laws and regulations governing offshore operations.
- Current trends and future directions in offshore oil and gas.

### Day 2: Offshore Exploration and Drilling Processes

- Geological and geophysical methods for exploration.
- Types of offshore drilling units.
- Drilling processes and technologies.
- Well design and construction.
- Challenges and solutions in offshore drilling.

### Day 3: Offshore Production and Operations

- Overview of offshore production facilities.
- Subsea production systems.
- Operation and maintenance of offshore platforms.
- Production optimization techniques.
- Decommissioning of offshore facilities.

### Day 4: Safety and Environmental Management

- Health, safety, and environmental (HSE) principles.
- Risk assessment and management in offshore operations.
- Emergency response and crisis management.
- Environmental impact assessments and mitigation strategies.
- Case studies on major offshore accidents.

## **Day 5: Economics, Project Management, and Future Developments**

- Economic evaluation of offshore projects.
- Project management in offshore operations.
- Cost control and budgeting.
- Regulatory and compliance issues.
- Advanced technologies and innovations in offshore operations.