



London TDM

# Oil and Gas Industry Training Courses

**Course Venue:** United Kingdom - London

**Course Date:** From 19 October 2025 To 23 October 2025

**Course Place:** London Paddington

**Course Fees:** 7,500 USD

## Introduction

This 5-day professional course on "Upstream Operations and Exploration Management" is designed to provide participants with a comprehensive understanding of the upstream sector of the oil and gas industry. The course focuses on exploration, development, and production processes while emphasizing management strategies that optimize operations. Participants will gain practical insights into geological and geophysical methods, risk assessment, and project management to enhance their decision-making skills in upstream environments.

- Understand the fundamentals of upstream operations and exploration.
- Analyze geological and geophysical data for exploration.
- Evaluate risk management and mitigation practices.
- Learn advanced technologies in exploration and production.
- Develop efficient project management strategies.

## Course Outlines

### Day 1: Introduction to Upstream Operations

- Overview of the oil and gas industry
- Key stages in upstream operations
- Roles and responsibilities in exploration management
- Regulatory frameworks and compliance
- Introduction to geological and geophysical surveys

### Day 2: Exploration Techniques and Technologies

- Geological and geophysical exploration methods
- Seismic data acquisition and interpretation
- Advanced technologies in exploration
- Case studies of successful exploration projects
- Tools and software for exploration management

### Day 3: Risk Management in Exploration

- Identifying and assessing exploration risks
- Risk mitigation strategies
- Economic evaluation of exploration projects
- Environmental and social risk assessment
- Stakeholder management and communication

### Day 4: Development and Production Operations

- Transition from exploration to development
- Drilling and completion operations
- Production optimization techniques
- Well integrity and maintenance
- Health, Safety, and Environment (HSE) considerations

## **Day 5: Project Management and Strategic Planning**

- Project planning and execution
- Cost control and budget management
- Time management and scheduling
- Quality assurance and control
- Strategic planning and decision-making in upstream operations