



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

The 5-day professional course on "Gas Processing and Transportation" is designed to provide participants with a comprehensive understanding of the processes, technologies, and logistics involved in the natural gas industry. Through detailed lectures and practical insights, participants will gain knowledge of the entire gas value chain, from processing to transportation, ensuring efficient and safe delivery to end-users.

## Objectives

- Understand the key processes involved in gas processing and their operational significance.
- Gain insight into the technologies used within the gas industry for efficient processing and transportation.
- Learn the safety and environmental standards required in gas processing and logistics.
- Explore the challenges and solutions in gas transportation, including pipeline and LNG shipping.
- Develop strategies for effective management of gas processing and transportation operations.

## Course Outlines

### Day 1: Introduction to Gas Processing

- Overview of the Natural Gas Industry
- Introduction to Gas Processing Systems
- Understanding Gas Composition and Characteristics
- Basic Operations in Gas Processing Plants
- Case Studies: Successful Gas Processing Operations

### Day 2: Gas Processing Technologies

- Absorption and Adsorption Systems
- Cryogenic Processing and Separation
- Gas Sweetening and Dehydration
- Advanced Processing Technologies
- Emerging Trends in Gas Processing Technologies

### Day 3: Safety and Environmental Standards

- Understanding Regulatory Requirements
- Safety Protocols in Gas Processing
- Environmental Impact and Mitigation Strategies
- Risk Management and Emergency Response
- Compliance and Reporting in Gas Operations

### Day 4: Gas Transportation Methods

- Pipeline Transportation Fundamentals
- Liquefied Natural Gas (LNG) Shipping
- Compressed Natural Gas (CNG) Transportation
- Challenges in Maintaining Gas Quality during Transportation

- Technological Advancements in Gas Logistics

### **Day 5: Management and Optimization of Gas Operations**

- Operational Planning and Control
- Optimizing Processing and Transportation Efficiency
- Economic and Market Analysis
- Strategic Management in the Gas Industry
- Future Outlook and Innovations in Gas Processing and Transportation