Oil & Gas Industry Fundamentals: From Upstream to Downstream

22 – 26 March 2027
Amsterdam (Netherlands)

UK Trainig
PARTNER



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Course Description

This intensive 1-week course provides a comprehensive overview of the oil and gas industry, covering the entire value chain from exploration to end-user products. Participants will gain a solid understanding of industry fundamentals, key processes, market dynamics, and emerging trends. The course combines theoretical knowledge with practical insights to equip professionals with the tools needed to navigate this complex and evolving sector.

Learning Objectives

- Understand the complete oil and gas value chain, from upstream to downstream operations
- Gain insights into exploration, production, transportation, and refining processes
- Analyze market dynamics, pricing mechanisms, and global supply-demand patterns
- Explore emerging trends, challenges, and opportunities in the oil and gas industry
- Develop a strategic perspective on industry operations and decision-making

Course Modules

Day 1: Introduction to the Oil & Gas Industry

- Industry overview and historical context
- Oil and gas formation and reserves
- Key industry players and stakeholders
- Global energy mix and future outlook

Day 2: Upstream Operations

- Exploration techniques and technologies
- Drilling and well completion
- Production processes and enhanced recovery methods
- Unconventional resources: shale oil and gas

Day 3: Midstream and Transportation

- Oil and gas transportation methods
- Pipeline systems and operations
- LNG value chain and markets
- Storage facilities and terminals



Day 4: Downstream Operations

- Refining processes and products
- Petrochemicals and derivatives
- Marketing and distribution
- Retail and end-user markets

Day 5: Industry Dynamics and Future Trends

- Oil and gas pricing mechanisms
- Market dynamics and geopolitical factors
- Environmental challenges and sustainability initiatives
- Emerging technologies and digital transformation
- Future of oil and gas in the energy transition

Practical Wins for Participants

- Gain a comprehensive understanding of the entire oil and gas value chain
- Develop the ability to analyze industry trends and make informed decisions
- Enhance communication skills using industry-specific terminology
- Build a strategic perspective for career advancement in the oil and gas sector

