Oil Production and Processing Facilities Training Course

14 – 18 December 2026
Paris (France)



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Ref: 322939_219637 **Date:** 14 – 18 December 2026 **Location:** Paris (France) **Fees:** 5900 GBP

Course Description

This comprehensive 1-week course focuses on oil and gas production facilities, covering operations from wellhead to refinery. Participants will learn about separation processes, treatment technologies, storage systems, and transportation methods for both onshore and offshore facilities. The course also addresses practical operating challenges and troubleshooting techniques.

Learning Objectives

- Understand the entire oil and gas production lifecycle and facility operations
- Learn to select and evaluate processes and equipment for oil, gas, and water treatment
- Develop skills to perform equipment sizing calculations for major production facility components
- Gain knowledge to recognize and solve common operating problems in oil/water processing facilities
- Understand the fundamentals of produced water treatment and injection systems
- Explore the latest technologies and best practices in oil and gas processing

Course Modules

Day 1: Introduction to Oil and Gas Production

- Overview of oil and gas formation and reservoirs
- Well types and drilling techniques
- Introduction to production facilities and equipment
- Oil, gas, and water composition and properties

Day 2: Separation and Initial Processing

- Gas-liquid separation principles and equipment
- Oil-water separation techniques
- Emulsion treatment and demulsification
- Sand handling and solids removal

Day 3: Oil Treatment and Storage

- Oil treating and desalting processes
- Crude oil stabilization and sweetening
- Storage systems and vapor recovery units
- Flow assurance and pipeline transportation



Day 4: Gas Processing and Water Management

- Overview of gas conditioning and processing
- Gas dehydration and sweetening methods
- Produced water treatment technologies
- Water injection systems for disposal and reservoir pressure maintenance

Day 5: Facility Operations and Troubleshooting

- Process control and monitoring systems
- Common operational challenges and solutions
- Equipment maintenance and reliability
- Safety considerations and environmental compliance

Practical Wins for Participants

- Ability to optimize production facility operations for improved efficiency and output
- Skills to troubleshoot common processing issues and minimize downtime
- Knowledge to evaluate and implement new technologies for enhanced performance
- Improved decision-making capabilities for facility design and equipment selection

