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OIL AND GAS

# Production Engineering with OFM Database

Course code: OG-018

## SPARK TRAINING

Professional training courses for leaders, specialists, and organizations seeking practical capability development.

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## — Workshop Overview

Production engineers rely on accurate production data and advanced analytical tools to optimize well performance, improve reservoir management, and maximize hydrocarbon recovery. This course provides participants with practical knowledge of production engineering workflows using

### Why Attend

The course combines instructor-led presentations, software demonstrations, hands-on OFM exercises, practical workshops, case studies, production analysis exercises, and real-world oilfield scenarios to ensure participants gain practical experience using OFM.

### Who Should Attend

Production engineers  
Petroleum engineers  
Reservoir engineers  
Production technologists  
Field development engineers  
Production supervisors  
Oil and gas professionals involved in production

## — Learning Objectives

- Understand the fundamentals of production engineering and OFM workflows
- Import, organize, and manage production and reservoir data within OFM
- Analyze well performance and production trends using OFM tools
- Apply production optimization and forecasting techniques
- Monitor reservoir performance and production surveillance activities
- Generate engineering reports and visualizations for decision-making
- Integrate OFM into production engineering and reservoir management workflows

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## Course Outline

**DAY  
1**

### Introduction to Production Engineering and OFM

- Understanding the principles and objectives of production engineering
- Reviewing production engineering workflows within upstream oil and gas operations
- Understanding the capabilities and applications of Oil Field Manager (OFM) software
- Exploring the structure and organization of OFM databases
- Navigating the OFM interface and configuring project environments
- Understanding data organization, workflows, and engineering best practices within OFM

**DAY  
2**

### Data Management and Visualization in OFM

- Importing production, well, and reservoir datasets into OFM
- Organizing production information for engineering analysis
- Creating and managing well, field, and reservoir datasets
- Visualizing production trends through charts, plots, and engineering dashboards
- Applying graphical analysis techniques to evaluate production performance
- Practical workshop: Building production databases and visualization reports using OFM

**DAY  
3**

### Production Performance Analysis and Optimization

- Applying OFM analytical tools to evaluate production performance
- Performing production decline analysis and forecasting future production trends
- Identifying production constraints and operational bottlenecks
- Understanding production system analysis and well performance optimization techniques
- Applying nodal analysis concepts within production engineering workflows
- Practical exercise: Developing production optimization strategies using OFM analysis tools

**DAY  
4**

### Reservoir Surveillance and Performance Monitoring

- Integrating reservoir management principles with production engineering activities
- Evaluating pressure, production, and reservoir performance data within OFM
- Monitoring well performance and production behavior over time
- Utilizing surveillance tools to support production optimization decisions
- Developing engineering workflows for continuous production monitoring
- Practical case studies: Applying OFM to reservoir surveillance and operational decision-making

DAY  
5

## Advanced OFM Applications and Integrated Engineering Workflows

- Applying advanced OFM features for scenario evaluation and sensitivity analysis
- Integrating OFM with reservoir simulation and production engineering applications
- Performing comprehensive production performance evaluations using real-world datasets
- Developing standardized workflows for production reporting and data management
- Reviewing best practices for data quality, integration, and engineering collaboration
- Exploring emerging trends in digital production engineering and intelligent field management
- Final workshop: Integrated production engineering case study using OFM

## — Upcoming Classroom Dates

| DATE                  | LOCATION                | FEE    |
|-----------------------|-------------------------|--------|
| 25 - 29 January 2027  | Amsterdam - Netherlands | €1,900 |
| 22 - 26 February 2027 | London - United Kingdom | €2,100 |
| 22 - 26 March 2027    | Istanbul - Türkiye      | €1,400 |
| 26 - 30 April 2027    | Vienna - Austria        | €2,250 |
| 24 - 28 May 2027      | Barcelona - Spain       | €1,600 |
| 28 June - 2 July 2027 | Paris - France          | €2,250 |
| 26 - 30 July 2027     | Frankfurt - Germany     | €1,700 |
| 23 - 27 August 2027   | Barcelona - Spain       | €1,600 |

## — Certificate and Registration

Participants who attend and complete the full programme receive a SPARK Training Certificate of Completion. For registration, in-house delivery, or availability questions, contact [info@sparktraining.eu](mailto:info@sparktraining.eu) or +31 85 115 0004.