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OIL AND GAS | OG-018

Production Engineering with OFM Database

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Course content

Why Attend

Why Attend 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 OFM (Oil Field Manager) , enabling them to manage production data, perform engineering analysis, monitor reservoir performance, and support informed operational decisions.

Course Methodology 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.

Course Objectives By the end of this course, participants will be able to:

- 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

Target Audience

- Production engineers
- Petroleum engineers
- Reservoir engineers
- Production technologists
- Field development engineers
- Production supervisors



Course content

Target Audience

• Oil and gas professionals involved in production data analysis

Target Competencies

• Production engineering

• OFM software proficiency

• Production data analysis

• Reservoir surveillance

• Production optimization

• Performance monitoring

• Engineering reporting

• Oilfield data management

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



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Course outline

• 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



Course content

Course outline

- 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



Seminar dates

Available seminar dates

Live dates and pricing for Production Engineering with OFM Database generated from the course details page.

Date	Location	Format	Fee
25 - 29 January 2027	Amsterdam - Netherlands	Classroom	**€3,040.-**
22 - 26 February 2027	London - U.K	Classroom	**€3,360.-**
22 - 26 March 2027	Istanbul - Turkey	Classroom	**€2,240.-**
26 - 30 April 2027	Vienna - Austria	Classroom	**€3,600.-**
24 - 28 May 2027	Barcelona - Spain	Classroom	**€2,560.-**
28 June - 2 July 2027	Paris - France	Classroom	**€3,600.-**
26 - 30 July 2027	Frankfurt - Germany	Classroom	**€2,720.-**
23 - 27 August 2027	Barcelona - Spain	Classroom	**€2,560.-**
27 September - 1 October 2027	Amsterdam - Netherlands	Classroom	**€3,360.-**
25 - 29 October 2027	London - U.K	Classroom	**€3,360.-**
22 - 26 November 2027	Istanbul - Turkey	Classroom	**€2,800.-**
27 - 31 December 2027	Vienna - Austria	Classroom	**€3,920.-**

Live online option	Online delivery is available at €1,850.-.