

Integrated Field Development Planning: From Discovery to Sanction

Oil & Gas Engineering
Berlin (Germany)
15 - 19 Sep 2025

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A close-up photograph of chess pieces on a checkered board. In the foreground, a large, ornate gold king piece stands prominently. To its left, a smaller silver pawn is visible. Further back, another silver pawn is positioned. The background features concentric circles, suggesting a strategic or planning theme.

Integrated Field Development Planning: From Discovery to Sanction

Ref: 3011_131844 **Date:** 15 - 19 Sep 2025 **Location:** Berlin (Germany) **Fees:** 4200 **Euro**

Course Description

This comprehensive 5-day course provides participants with in-depth knowledge and practical skills in integrated field development planning for oil and gas projects. Covering the entire process from exploration to project sanction, participants will learn key concepts, tools, and best practices used by multidisciplinary teams to evaluate, screen, and mature field development opportunities.

Learning Objectives

- Understand the integrated field development planning process and its importance in the oil and gas industry
- Learn to evaluate and analyze geological, engineering, and economic data for field development decision-making
- Develop skills in creating and optimizing field development plans using industry-standard tools and methodologies
- Gain insight into risk assessment and management in field development projects
- Enhance ability to work effectively in multidisciplinary teams and communicate project plans to stakeholders

Course Modules

Day 1: Introduction to Field Development Planning

- Overview of the oil and gas industry and field development lifecycle
- Exploration and appraisal techniques
- Reservoir characterization and modeling
- Introduction to production forecasting

Day 2: Subsurface Development Planning

- Well placement and design strategies
- Reservoir management and production optimization
- Enhanced oil recovery techniques
- Subsurface uncertainty analysis

Day 3: Surface Facilities and Infrastructure

- Production systems and processing facilities
- Transportation and export options

A graphic of a chessboard with several pawns. In the foreground, a large gold king piece stands prominently. Behind it, several silver and gold pawns are positioned on the board. The background features concentric circles emanating from behind the king piece.

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- Environmental and safety considerations
- Integrating subsurface and surface planning

Day 4: Economic Evaluation and Risk Assessment

- Economic modeling and analysis
- Risk identification and mitigation strategies
- Decision analysis tools and techniques
- Portfolio management and project ranking

Day 5: Project Integration and Execution

- Creating an integrated field development plan
- Project execution planning and scheduling
- Stakeholder management and communication
- Case study: Field development plan presentation and review

Practical Wins for Participants

- Ability to create and evaluate comprehensive field development plans
- Enhanced skills in multidisciplinary teamwork and communication
- Improved decision-making capabilities in complex oil and gas projects
- Practical experience in using industry-standard tools and methodologies

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