



*Training Course:
Integrated Field Development Planning*

*26 - 30 October 2026
Doha (Qatar)*

Training Course: Integrated Field Development Planning

Training Course code: SC236643 From: 26 - 30 October 2026 Venue: Doha (Qatar) - Training Course Fees: 5975 € Euro

Introduction

Integrated Field Development Planning IFDP is a multidisciplinary process used to evaluate, design, and optimize the development of oil and gas fields throughout their lifecycle. It brings together subsurface, drilling, production, facilities, economics, and project disciplines to develop an integrated strategy that maximizes field value while managing technical, operational, economic, and environmental risks.

This Integrated Field Development Planning training program is designed by Global Horizon Training Center to provide participants with a structured understanding of the key principles, workflows, technical considerations, and decision-making processes involved in developing oil and gas fields. The program emphasizes the integration of multidisciplinary data and the evaluation of different development scenarios to support effective field development decisions.

Objectives

By the end of this training program, participants will be able to:

- Understand the fundamentals and objectives of integrated field development planning.
- Understand the roles of different disciplines involved in field development.
- Evaluate subsurface data and field development opportunities.
- Understand reservoir development and production strategies.
- Develop and assess different field development scenarios.
- Understand well planning, drilling, and completion considerations.
- Evaluate surface facilities and infrastructure requirements.
- Integrate production profiles with facilities and development plans.
- Understand economic evaluation and development decision-making.
- Identify key technical, operational, and commercial risks.
- Optimize field development strategies throughout the asset lifecycle.
- Understand the importance of multidisciplinary collaboration in field development.

Course Methodology

The training will be delivered through a combination of:

- Instructor-led presentations and technical discussions.
- Interactive multidisciplinary exercises.
- Oil and gas field development case studies.
- Field development planning scenarios.
- Group discussions and problem-solving activities.
- Practical evaluation of development alternatives.
- Examples of real-world field development challenges.
- Integrated decision-making exercises.

Organizational Impact

The program can help organizations to:

- Improve the quality and consistency of field development decisions.
- Strengthen multidisciplinary collaboration and communication.
- Optimize field development strategies and resource utilization.
- Improve production and recovery planning.
- Support better capital investment decisions.
- Reduce technical and operational development risks.
- Improve coordination between subsurface, drilling, production, facilities, and commercial teams.
- Enhance understanding of field development economics.
- Improve long-term asset value and lifecycle planning.
- Establish a more integrated approach to field development projects.

Target Audience

This program is suitable for:

- Petroleum Engineers
- Reservoir Engineers

- Production Engineers
- Drilling and Completion Engineers
- Facilities Engineers
- Field Development Engineers
- Geoscientists and Geologists
- Reservoir Management Professionals
- Asset Managers
- Project Managers
- Petroleum Economists
- Operations Engineers and Managers
- Planning and Development Professionals
- Technical and Engineering Managers
- Oil and Gas Professionals involved in field development decisions

Outlines

Day 1 - Fundamentals of Integrated Field Development Planning

- Introduction to Field Development Planning
- Field Development Planning lifecycle
- Integrated multidisciplinary team structure
- Field data requirements and quality
- Subsurface understanding and development objectives
- Reservoir characterization and uncertainty
- Field development constraints and opportunities
- Development concepts and strategic considerations

Day 2 - Reservoir Development and Well Planning

- Reservoir development strategies

- Production and recovery mechanisms
- Well placement and well architecture
- Well spacing and development patterns
- Drilling and completion considerations
- Production forecasting
- Reservoir uncertainty and development scenarios
- Well intervention and future development considerations

Day 3 - Production Systems and Surface Facilities

- Production system design considerations
- Gathering and transportation systems
- Surface facilities requirements
- Processing and treatment facilities
- Water, gas, and injection systems
- Infrastructure and utilities planning
- Production capacity and facility constraints
- Integration of wells, facilities, and production profiles

Day 4 - Development Economics, Optimization and Risk

- Capital and operating cost considerations
- Field development economic evaluation
- Development scenarios and option screening
- Production profiles and project economics
- Economic indicators and investment decisions
- Technical and commercial risk assessment
- Uncertainty and sensitivity analysis
- Development plan optimization

Day 5 - Integrated Field Development Plan and Decision-Making

- Integration of subsurface, wells, production, and facilities
- Building an integrated field development plan
- Development phasing and project scheduling
- Reserves and resource considerations
- Environmental and operational considerations
- Field development decision-making
- Development plan review and assurance
- Integrated field development case study
- Key lessons learned and best practices

Registration form on the Training Course: Integrated Field Development Planning

Training Course code: SC236643 From: 26 - 30 October 2026 Venue: Doha (Qatar) - Training Course Fees: 5975 € Euro

Complete & Mail or fax to Global Horizon Training Center (GHTC) at the address given below

Delegate Information

Full Name (Mr / Ms / Dr / Eng):
Position:
Telephone / Mobile:
Personal E-Mail:
Official E-Mail:

Company Information

Company Name:
Address:
City / Country:

Person Responsible for Training and Development

Full Name (Mr / Ms / Dr / Eng):
Position:
Telephone / Mobile:
Personal E-Mail:
Official E-Mail:

Payment Method

- ☐ Please find enclosed a cheque made payable to Global Horizon
- ☐ Please invoice me
- ☐ Please invoice my company

Easy Ways To Register

Telephone:
+201095004484 to
provisionally reserve your
place.

Fax your completed
registration
form to: +20233379764

E-mail to us :
info@gh4t.com
or training@gh4t.com

Complete & return the
booking form with cheque
to: Global Horizon
3 Oudai street, Aldouki,
Giza, Giza Governorate,
Egypt.