



*Training Course:  
Advanced OIL & Gas Project Economics, Risk &  
Decision Analysis*

*28 March - 1 April 2027  
Dubai (UAE)*

## Training Course: Advanced OIL & Gas Project Economics, Risk & Decision Analysis

Training Course code: EN235153 From: 28 March - 1 April 2027 Venue: Dubai (UAE) - Training Course Fees: 5830 € Euro

### Introduction

In the oil and gas industry, capital-intensive projects are exposed to significant uncertainty, requiring robust economic evaluation and structured decision-making. Effective analysis of costs, revenues, risks, and uncertainties is essential to ensure optimal investment decisions and long-term value creation.

This program, designed by Global Horizon Training Center, equips participants with advanced tools and methodologies to evaluate project economics, assess risks, and support strategic decision-making across oil and gas projects.

### Course Objectives

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

- Understand advanced economic evaluation techniques for oil and gas projects
- Build and interpret financial models for project assessment
- Analyze cash flows, profitability, and investment performance
- Apply risk analysis and uncertainty modeling techniques
- Conduct sensitivity and scenario analysis
- Utilize decision analysis tools for strategic planning
- Evaluate project feasibility and investment options
- Support decision-making with quantitative and analytical insights

### Target Audience

This program is designed for:

- Project and Petroleum Engineers
- Finance and Investment Analysts in Oil & Gas
- Planning and Strategy Professionals
- Asset and Field Managers
- Risk Management Specialists
- Decision-Makers involved in capital projects

### Outline

#### Day 1: Fundamentals of Oil & Gas Project Economics

- Overview of oil and gas project lifecycle economics
- Cost structures: CAPEX, OPEX, and lifecycle costs
- Revenue models and pricing mechanisms
- Time value of money and discounting concepts
- Key economic indicators NPV, IRR, Payback Period

#### Day 2: Financial Modeling and Cash Flow Analysis

- Building financial models for oil and gas projects
- Cash flow forecasting and analysis
- Production profiles and revenue estimation
- Cost estimation and allocation
- Model validation and assumptions testing

#### Day 3: Risk Analysis and Uncertainty Modeling

- Types of risks in oil and gas projects
- Probability distributions and uncertainty inputs
- Sensitivity analysis and scenario planning
- Monte Carlo simulation concepts
- Risk quantification and interpretation

#### Day 4: Decision Analysis and Optimization

- Decision trees and expected value analysis
- Portfolio optimization and investment selection
- Real options analysis in oil and gas
- Trade-off analysis between risk and return
- Strategic decision-making frameworks

#### Day 5: Integration, Evaluation, and Case Studies

- Integrating economics, risk, and decision analysis
- Project evaluation and investment appraisal
- Performance metrics and benchmarking
- Reporting and presenting economic results
- Case studies and real-world applications

## Registration form on the Training Course: Advanced OIL & Gas Project Economics, Risk & Decision Analysis

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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: .....  
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### 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: .....  
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### Payment Method

- ☐ Please find enclosed a cheque made payable to Global Horizon
- ☐ Please invoice me
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### Easy Ways To Register

Telephone:  
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place.

Fax your completed  
registration  
form to: +20233379764

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

Complete & return the  
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to: Global Horizon  
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