



London TDM

Oil and Gas Industry Training Courses

Course Venue: Malaysia - Kuala Lumpur

Course Date: From 02 November 2025 To 06 November 2025

Course Place: Royale Chulan Hotel

Course Fees: 6,000 USD

Introduction

The "Petroleum Economics and Risk Analysis" course is designed to provide participants with a comprehensive understanding of the economic principles and risk assessment techniques applicable to the petroleum industry. This five-day program covers everything from basic economic frameworks to advanced risk analysis, equipping professionals with the tools and knowledge necessary to excel in decision-making processes within the sector.

Objectives

- Understand the fundamental concepts of petroleum economics.
- Analyze the financial feasibility and economic viability of petroleum projects.
- Assess and manage risks in the petroleum industry.
- Develop strategies for effective economic decision-making.
- Communicate economic and risk analysis findings effectively.

Course Outlines

Day 1: Introduction to Petroleum Economics

- Overview of the global oil and gas industry
- Basic economic principles and concepts
- Supply and demand dynamics
- Price formation and market structures
- The role of technology and innovation in economics

Day 2: Economic Evaluation of Petroleum Projects

- Cash flow analysis and financial metrics
- Capital budgeting techniques
- Cost estimation and control
- Economic indicators: NPV, IRR, and profitability index
- Case studies on project evaluation

Day 3: Risk Analysis in the Petroleum Sector

- Types of risks in the oil and gas industry
- Risk identification and assessment techniques
- Quantitative and qualitative risk analysis
- Risk management frameworks
- Scenario planning and sensitivity analysis

Day 4: Advanced Economic and Risk Analysis Techniques

- Monte Carlo simulation for risk assessment
- Real options analysis in project evaluation
- Portfolio management and diversification strategies
- Evolving market dynamics and geopolitical influences
- Digital tools and software for economic analysis

Day 5: Strategic Decision-Making and Communication

- Integrating economics and risk analysis in decision-making
- Strategic planning and competitive positioning
- Communicating analysis to stakeholders
- Negotiation and influence in economic contexts
- Group project and presentation