

€ TRAINING

Project Economics for Oil and Gas Industries



11 - 15 May 2025
Dubai (UAE)



Project Economics for Oil and Gas Industries

REF: E1350 DATE: 11 - 15 May 2025 Venue: Dubai (UAE) - Fee: 5100 Euro

Introduction:

Project economics for oil and gas industries involves the financial evaluation of exploration, development, and production projects, focusing on cost analysis, risk assessment, and profitability to support investment decisions and ensure economic viability. This training program provides participants with essential knowledge and skills to evaluate the economic viability of projects within the oil and gas sector. It equips them with the tools needed to make informed decisions and maximize returns in a dynamic industry environment.

Program Objectives:

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

- Explore the operational dynamics of the oil and gas industry within evolving technical, economic, and political contexts.
- Analyze the economics of each stage of the supply chain, emphasizing upstream activities.
- Navigate the decision-making process within oil and gas companies, accounting for various risk factors.
- Utilize techniques employed by oil and gas companies to conduct thorough economic evaluations of capital investments before resource allocation.
- Assess the influence of governments on investment decisions within the oil and gas sector.

Targeted Audience:

- Oil and gas industry professionals involved in project management and decision-making roles.
- Financial analysts and economists specializing in the oil and gas sector.
- Engineers, managers, and executives involved in oil and gas projects.

Program Outlines:

Unit 1:

Introduction to the Oil and Gas Industry:

- Fundamentals of oil markets and gas markets global, regional, and domestic.
- Overview of oil and gas pricing mechanisms.
- Structure of the oil and gas industry: IOCs, NOCs, and OPEC.

- Key factors driving the oil and gas industry.
- Government influence on oil and gas markets.

Unit 2:

The Oil and Gas Industry Value Chain:

- Overview of upstream, midstream, and downstream activities.
- Upstream economics: exploration, appraisal, development, production, and abandonment.
- Economic factors affecting each stage of the value chain.
- Investment considerations in upstream oil and gas projects.
- Operational challenges across the value chain.

Unit 3:

Project Economics I:

- Breakdown of costs in oil and gas projects.
- Techniques for cost control and management.
- Economics of LNG and unconventional oil and gas.
- Key risks in the oil and gas sector.
- Comparative analysis of different oil and gas economics.

Unit 4:

Project Economics II:

- Decision analysis in oil and gas projects.
- Managing risk and uncertainty in oil and gas investments.
- Financial evaluation techniques and profitability measures.
- Exploration and production decision-making strategies.
- Sensitivity and scenario analysis in project evaluations.

Unit 5:

Government Influence:

- Overview of legal, regulatory, fiscal, and contractual frameworks.
- Impact of government policies on project economics.
- Taxation and fiscal systems in the oil and gas industry.
- Investment decision-making and sharing of oil and gas wealth.
- Role of government in managing resource extraction and distribution.