

Training Course PETROLEUM ECONOMICS

Training Duration

5 days

Training Venue and Dates

Ref. No. PE084Petroleum Economics	5	20 – 24 Oct. 2025	6,500	Amsterdam, Netherlands
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In any of the 4 or 5-star hotels. The exact venue will be informed later.

<u>Training Fees</u>

• 6,500 US\$ per participant for Public Training includes Materials/Handouts, tea/coffee breaks, refreshments & Lunch

Training Certificate

Define Management Consultancy & Training Certificate of course completion will be issued to all attendees.

Language: English

INTRODUCTION

Petroleum Economics is an interdisciplinary course that blends elements of economics, finance, engineering, and business management to analyze the economic principles that govern the exploration, extraction, production, and distribution of petroleum and other energy resources. The course covers the economic aspects of the petroleum industry, including cost structures, market dynamics, price forecasting, investment analysis, and the impact of geopolitical and environmental factors.

The aim is to provide students with a comprehensive understanding of the petroleum sector, including how economic principles apply to the oil and gas industry, and to equip them with tools to make informed business decisions in the context of resource extraction and energy markets.

TRAINING OBJECTIVES

By the end of the course, students should be able to:

• Understand the economic factors that influence the petroleum market and global energy prices.

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- Apply financial and economic tools to evaluate oil and gas investment opportunities.
- Assess risks and rewards in the context of petroleum projects.
- Understand the fiscal and regulatory frameworks that govern petroleum contracts and operations.
- Analyze the impact of geopolitical, environmental, and policy-related factors on the oil and gas sector.
- Make informed decisions related to the economics of petroleum resources and energy transitions.

TRAINING METHODOLOGY

A highly interactive combination of lectures and discussion sessions will be managed to maximize the amount and quality of information and knowledge transfer. The sessions will start by raising the most relevant questions and motivating everybody to find the right answers. You will also be encouraged to raise your own questions and to share in the development of the right answers using your own analysis and experiences. Tests of the multiple-choice type will be made available on a daily basis to examine the effectiveness of delivering the course.

All presentations are made in excellent colorful power point. Very useful Course Materials will be given.

- 30% Lectures
- 30% Workshops and work presentation
- 20% Group Work& Practical Exercises
- 20% Videos& General Discussions

WHO SHOULD ATTEND

- Industry Professionals
- Government Officials and Policymakers
- Energy and Investment Analysts
- Energy Industry Entrepreneurse training.com
- International Development Professionals
- General Public with an Interest in Energy Economics

OUTLINE

Day 1: Introduction to Petroleum Economics

- Overview of the petroleum industry (upstream, midstream, downstream)
- Basic economic principles: supply, demand, and pricing mechanisms
- Oil pricing and market dynamics (Brent, WTI)

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• The role of geopolitics in oil markets

Day 2: Financial Analysis of Petroleum Projects

- Key financial concepts: NPV, IRR, cash flow analysis
- Project evaluation and cost estimation
- Break-even analysis and sensitivity analysis
- Risk management and hedging strategies in petroleum projects

Day 3: Oil & Gas Reserves Valuation

- Types of reserves: proven, probable, possible
- Valuation techniques: volumetric methods and DCF
- Cost recovery and profitability in production
- Fiscal regimes: royalties, taxes, and profit-sharing agreements

Day 4: Economics of Transportation and Marketing

- Transportation infrastructure and costs (pipelines, shipping)
- Market structures: upstream vs. downstream economics
- Refining margins and profitability
- Trading and risk management in oil and gas markets

Day 5: Policy, Environmental, and Future Trends

- Environmental regulations and impact (carbon management, pollution)
- Energy transition and oil's role in a low-carbon future
- Government policy and energy regulation
- Future trends: shale oil, renewable energy integration, and market disruptions

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NOTE: Pre & Post Tests will be conducted Case Studies, Group Exercises, Group Discussions, Last Day Review & Assessments will be carried out.

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