



An Intensive 5-Day Online Training Course

Petroleum Economics, Risk and Decision Analysis

Date	Venue	Fee(\$)
22 - 26 May 2022	Live / Online	US\$ 2,400

INTRODUCTION

This EuroMaTech online training course provides practical guidance in the application of the techniques of the economic analysis currently used in the Oil & Gas industry. When executing a petroleum related project, one should be able to choose the best alternative from an economic point of view, as well as to properly evaluate various investment opportunities by determining economic indicators and sensitivity analysis. Techniques for predicting profit, production costs, and cash flow, enable the analyst to evaluate decision alternatives for optimum results. Understanding economic indicators, risk and uncertainty, different economic structures such as tax regimes and production sharing contracts, enhances the quality and the value of economic analysis.

Participants attending this online training course will develop the following competencies:

- Familiarization with the application techniques of the economics analysis in the Oil & Gas industry
- Petroleum related project evaluation methods
- Screening of the petroleum projects based on evaluating the investment opportunities
- Identifying the risks and uncertainties of the project
- Application of risk management methods in mitigating the identified risks of the project

Classroom
learning service
available 



TRAINING METHODOLOGY

The online training approach is based on principles of economic evaluation of petroleum related project with focusing on step by step developing economic models, determining economic indicators, evaluating and quantifying risks and uncertainties and making the right investment decision for the project. To facilitate that, the Microsoft Excel based economics modules will be built and all discussions will be provided using high quality power point slides.

In-house Training

EuroMaTech is capable of conducting this training programme exclusively for your delegates. Please e-mail us on inhouse@euromatech.ae for further information and/or to receive a comprehensive proposal.



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PROGRAMME OBJECTIVES

This online training course aims to enable participants to achieve the following objectives:

- Understand various economic terms used in the Oil & Gas industry
- Understand how to develop economic models of various petroleum fiscal regimes
- Carry out cash flow analysis, different economic analyses for petroleum related project and determine economic indicators
- Evaluate and quantify risks and uncertainties
- Make the right investment decision in the presence of risk
- Carry out a comprehensive economic evaluation study for any petroleum related project including risk analysis and sensitivity study using spreadsheet
- Contribute to the petroleum project investment within a solid economic system and do a detailed economic evaluation
- Contribute to the decision-making process for any petroleum related project

QUALITY CERTIFICATIONS & ACCREDITATIONS



COURSE OUTLINE



Day 1

Cash Flow Analysis

- Familiarization with Economic terms
- Depreciation Methods
- Loss Carry Forwards
- Inflation
- Nominal & Real Cash Flow
- Sunk Costs
- Project Financing

Day 2

Economic Indicators

- Present Value Concept
- Economic Indicators Definitions
- Payback Period
- Profit/Investment Ratio
- Discount Factor
- Net Present Value
- Internal Rate of Return
- Effect of Project Delay
- Incremental Projects

Day 3

Risks and Uncertainties

- Risk & Uncertainty
- Expected Value Concept
- Decision Tree Analysis
- Farm-out Decision
- Probability Analysis
- Sensitivity Analysis
- Probability Distribution
- Monte Carlo Simulation

Day 4

Setting up Spreadsheet Calculation

- Introduction to Spreadsheet Calculation
- Simple Cash Flow using Excel
- NPV IRR calculations
- Application of economic indicators
- Class discussion

Day 5

Setting up Oil Field Development Model

- Group activities
- Setting up an Integrated Economic Model of a Typical Oil Field Development
- Project Sensitivity Analysis for the selected model
- Economic indicators used in decision policy, features, pitfalls to avoid
- Final remarks

Petroleum Economics, Risk and Decision Analysis



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All Fees are subject to 5% Value Added Tax (VAT).*

Your Details

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Mode Of Payment

Please find enclosed a cheque made payable to EuroMaTech

Please invoice me

Please invoice my company as follows:

Contact Name:

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Documentation

High Quality material has been prepared by the Seminar Leader for distribution to delegates.

Certificates

A Certificate of Completion will be issued to those who attend & successfully complete the programme.

Registration & Payment

Please complete the registration form on this page & return it to us indicating your preferred mode of payment.

For Further Information, email us at info@euromatech.ae.

Cancellation Policy

Request for seminar cancellation must be made in writing & received at EuroMaTech three weeks prior to the seminar date. A U.S.\$250/- processing fee will be charged per delegate for each cancellation. Thereafter, we regret that we are unable to refund any fees due, although in such cases we would be happy to welcome a colleague who would substitute for you.

Disclaimer

EuroMaTech reserves the right to alter the content, location of the Seminar, or the identity of the speakers in case of events beyond our control.

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