Consulting and Training | Reach New Heights

Course Name

Petroleum Project Economics & Risk Analysis

Sector Name

Oil, Gas and Chemical

Document Type

Generated by Boostlab

Click Here To Visit Course

ABU DHABI: +971 2 449 6000
ABU DHABI: +971 50 412 3294
DUBAI: +971 4 888 6787
KSA: +966 56 416 0617
EGYPT: +20 127 111 1770

Consulting and Training | Reach New Heights

Petroleum Project Economics & Risk Analysis

Course Introduction

Petroleum projects require significant capital investment, long development horizons, complex technical assumptions, and exposure to considerable commercial and market uncertainty.

Decisions related to exploration, field development, production facilities, infrastructure, and major project investments must therefore be supported by rigorous economic analysis rather than technical considerations alone.

A strong understanding of petroleum project economics enables professionals to evaluate investment attractiveness, understand project cash flows, assess cost structures, analyze fiscal and commercial factors, and determine how changes in assumptions may influence project value. At the same time, petroleum projects are exposed to uncertainties related to production performance, capital expenditure, operating costs, commodity prices, schedules, technical outcomes, and external market conditions.

This **five-day** training program provides an integrated framework for evaluating the economics and risks of petroleum projects. It progresses from petroleum project economics and cash-flow

modeling to investment appraisal, fiscal and commercial considerations, uncertainty analysis, risk assessment, and investment decision-making.

The program will enable participants to connect technical project assumptions with financial outcomes and make more informed decisions regarding project value, viability, and risk exposure.

ABU DHABI: +971 2 449 6000
ABU DHABI: +971 50 412 3294
DUBAI: +971 4 888 6787
KSA: +966 56 416 0617
EGYPT: +20 127 111 1770

Click Here To Visit Course

BOOST

BOOST
Consulting and Training | Reach New Heights

Petroleum Project Economics & Risk Analysis

Target Audience

- ✓ Petroleum and Energy Professionals
- ✓ Project Managers and Project Engineers
- ✓ Petroleum Engineers
- ✓ Reservoir and Production Professionals
- ✓ Finance and Economics Professionals
- ✓ Planning and Strategy Professionals
- ✓ Commercial and Business Development Professionals
- ✓ Investment and Portfolio Professionals
- ✓ Risk Management Professionals
- ✓ Professionals involved in petroleum project evaluation and investment decisions

ABU DHABI: +971 2 449 6000
ABU DHABI: +971 50 412 3294
DUBAI: +971 4 888 6787
KSA: +966 56 416 0617
EGYPT: +20 127 111 1770

Click Here To Visit Course

BOOST
Consulting and Training | Reach New Heights

Petroleum Project Economics & Risk Analysis

Learning Objectives

- ✓ Understand the economic characteristics of petroleum projects.
- ✓ Analyze petroleum project revenues, costs, and cash flows.
- ✓ Develop and interpret project economic models.
- ✓ Apply investment appraisal techniques to petroleum projects.
- ✓ Evaluate the impact of fiscal and commercial factors on project value.
- ✓ Analyze project sensitivity to key economic assumptions.
- ✓ Identify and assess technical, commercial, financial, and market risks.
- ✓ Apply scenario and uncertainty analysis to investment decisions.
- ✓ Evaluate project attractiveness under alternative assumptions.
- ✓ Support petroleum investment decisions using structured economic analysis.

ABU DHABI: +971 2 449 6000
ABU DHABI: +971 50 412 3294
DUBAI: +971 4 888 6787
KSA: +966 56 416 0617
EGYPT: +20 127 111 1770

Click Here To Visit Course

BOOST
Consulting and Training | Reach New Heights

Petroleum Project Economics & Risk Analysis

Course Outline

✓ Day 01

Petroleum Project Economics and Cash-Flow Foundations

- ✓ Economic Structure of Petroleum Projects
- ✓ Understanding the economic lifecycle of petroleum projects
- ✓ Identifying major revenue and expenditure categories
- ✓ Distinguishing capital expenditure from operating expenditure
- ✓ Understanding production profiles and their economic implications
- ✓ Linking technical assumptions with financial outcomes
- ✓ Identifying key economic drivers across project phases

Petroleum Project Cash-Flow Modeling

- ✓ Structuring project revenue and expenditure streams
- ✓ Developing project cash-flow timelines
- ✓ Incorporating production assumptions into economic models
- ✓ Accounting for capital spending and operating costs
- ✓ Understanding timing effects on project cash flows
- ✓ Interpreting cash-flow profiles across project development stages

ABU DHABI: +971 2 449 6000
ABU DHABI: +971 50 412 3294
DUBAI: +971 4 888 6787
KSA: +966 56 416 0617
EGYPT: +20 127 111 1770

Click Here To vist Course

BOOST
Consulting and Training | Reach New Heights

Petroleum Project Economics & Risk Analysis

Course Outline

✓ Day 02

Investment Appraisal and Project Value

- ✓ Petroleum Investment Evaluation
- ✓ Understanding the time value of money in project evaluation
- ✓ Applying Net Present Value to petroleum investment decisions
- ✓ Understanding Internal Rate of Return and investment attractiveness
- ✓ Evaluating payback and profitability measures
- ✓ Comparing alternative investment opportunities
- ✓ Interpreting economic indicators within petroleum project contexts

Economic Drivers and Value Creation

- ✓ Identifying the primary drivers of petroleum project value
- ✓ Assessing the relationship between production and project economics
- ✓ Evaluating capital and operating cost influences
- ✓ Understanding commodity price impacts on project value
- ✓ Examining project timing and development schedule effects
- ✓ Identifying opportunities and constraints affecting economic performance

ABU DHABI: +971 2 449 6000
ABU DHABI: +971 50 412 3294
DUBAI: +971 4 888 6787
KSA: +966 56 416 0617
EGYPT: +20 127 111 1770

Click Here To vist Course

BOOST
Consulting and Training | Reach New Heights

Petroleum Project Economics & Risk Analysis

Course Outline

✓ Day 03

Fiscal, Commercial and Financial Considerations

- ✓ Petroleum Fiscal and Commercial Structures
- ✓ Understanding the role of fiscal terms in petroleum economics
- ✓ Examining royalties, taxes, and government take
- ✓ Understanding production-sharing and concession-based arrangements
- ✓ Assessing the effect of contractual terms on project economics
- ✓ Evaluating commercial obligations and revenue-sharing mechanisms
- ✓ Integrating fiscal assumptions into economic evaluations

Project Financing and Capital Considerations

- ✓ Understanding financing requirements across project phases
- ✓ Examining debt and equity considerations in petroleum investments
- ✓ Assessing financing costs and their effect on project value
- ✓ Understanding capital allocation within petroleum portfolios
- ✓ Evaluating funding constraints and investment priorities
- ✓ Connecting financing decisions with project economic outcomes

ABU DHABI: +971 2 449 6000
ABU DHABI: +971 50 412 3294
DUBAI: +971 4 888 6787
KSA: +966 56 416 0617
EGYPT: +20 127 111 1770

Click Here To vist Course

BOOST
Consulting and Training | Reach New Heights

Petroleum Project Economics & Risk Analysis

Course Outline

✓ Day 04

Uncertainty, Sensitivity and Petroleum Project Risk

- ✓ Economic Sensitivity and Scenario Analysis
- ✓ Identifying assumptions with the greatest influence on project value
- ✓ Conducting sensitivity analysis on key economic variables
- ✓ Developing alternative economic scenarios
- ✓ Assessing project economics under changing market conditions
- ✓ Interpreting downside, base-case, and upside outcomes
- ✓ Using scenario analysis to support investment judgments

Petroleum Project Risk Assessment

- ✓ Identifying technical, commercial, financial, and market risks
- ✓ Assessing probability and potential impact of project risks
- ✓ Understanding risk exposure across project lifecycle stages
- ✓ Evaluating interdependencies between project risks
- ✓ Incorporating risk considerations into economic assessments
- ✓ Establishing structured approaches to project risk response

ABU DHABI: +971 2 449 6000
ABU DHABI: +971 50 412 3294
DUBAI: +971 4 888 6787
KSA: +966 56 416 0617
EGYPT: +20 127 111 1770

Click Here To vist Course

BOOST
Consulting and Training | Reach New Heights

Petroleum Project Economics & Risk Analysis

Course Outline

✓ Day 05

Investment Decisions and Portfolio Economics

- ✓ Petroleum Investment Decision-Making
- ✓ Integrating economic, technical, and risk information into investment decisions
- ✓ Comparing projects under competing capital constraints
- ✓ Evaluating investment trade-offs and opportunity costs
- ✓ Assessing project attractiveness under uncertainty
- ✓ Supporting investment recommendations with economic evidence
- ✓ Aligning project decisions with broader portfolio objectives

Portfolio Economics and Capital Allocation

- ✓ Comparing economic performance across petroleum projects
- ✓ Prioritizing investments within constrained capital environments
- ✓ Evaluating portfolio exposure to commodity and project risks
- ✓ Balancing value generation with risk exposure
- ✓ Understanding portfolio-level economic trade-offs
- ✓ Supporting strategic capital allocation across petroleum assets

ABU DHABI: +971 2 449 6000
ABU DHABI: +971 50 412 3294
DUBAI: +971 4 888 6787
KSA: +966 56 416 0617
EGYPT: +20 127 111 1770

Click Here To vist Course

BOOST
Consulting and Training | Reach New Heights

Petroleum Project Economics & Risk Analysis

Confirmed Sessions

FROM	TO	DURATION	FEES	LOCATION
Oct. 18, 2027	Oct. 22, 2027	5 days	4950.00 $	Turkey , Istanbul
Jan. 24, 2027	Jan. 28, 2027	5 days	4250.00 $	Qatar , Doha

ABU DHABI: +971 2 449 6000
ABU DHABI: +971 50 412 3294
DUBAI: +971 4 888 6787
KSA: +966 56 416 0617
EGYPT: +20 127 111 1770

Click Here To vist Course

info@boostuae.com info@boostorg.com