aractech

Global Learning for Operational Leaders

ACCOUNTING AND FINANCE

Mastering Financial Modeling and Analysis for the Energy Industry

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Course content

Why Attend

Course Introduction

Welcome to the Mastering Financial Modeling and Analysis for the Energy Industry training course.

Course Methodology

Course Objectives

Target Audience

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Course outline

Detailed course outline

Day-by-day outline for Mastering Financial Modeling and Analysis for the Energy Industry.

Day 1 - Introduction to Financial Modeling in the Energy Industry

• Overview of Financial Modeling: Principles, Applications, and Importance

• Introduction to Energy Industry Segments: Oil & Gas, Renewable Energy, Utilities

• Key Financial Concepts and Metrics in the Energy Sector

• Case Study: Building a Basic Financial Model for an Energy Project

Day 2 - Advanced Financial Modeling Techniques

• Building Dynamic and Structured Financial Models for Energy Projects

• Incorporating Assumptions and Drivers: Commodity Prices, Production Volumes, Costs

• Advanced Excel Functions and Formulas for Energy Financial Modeling

• Case Study: Developing a Comprehensive Financial Model for a Renewable Energy Project

Day 3 - Forecasting and Sensitivity Analysis

• Revenue Forecasting Techniques: Price Forecasting, Demand Analysis

• Expense Forecasting: Operating Costs, Capital Expenditures, Financing Costs

• Sensitivity Analysis and Scenario Planning: Assessing Impact of Variables on Project Economics

• Case Study: Performing Sensitivity Analysis for an Oil & Gas Exploration Project

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Day 4 - Risk Management and Project Evaluation

• Risk Assessment in Energy Projects: Market Risks, Regulatory Risks, Operational Risks

• Discounted Cash Flow (DCF) Analysis and Net Present Value (NPV) Calculation

• Evaluating Project Returns: Internal Rate of Return (IRR), Payback Period, Profitability Index

• Case Study: Evaluating Financial Viability of a Utility-Scale Solar Project

Day 5 - Financial Performance Analysis and Communication

• Interpreting Financial Statements and Performance Metrics in the Energy Industry

• Financial Ratios Analysis: Liquidity, Solvency, Efficiency, Profitability

• Effective Communication of Financial Insights to Stakeholders

• Closing Remarks: Leveraging Financial Modeling and Analysis for Strategic Decision-Making in the Energy Industry

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Seminar dates

Available seminar dates

Live dates and pricing for Mastering Financial Modeling and Analysis for the Energy Industry generated from the course details page.

Date	Location	Format	Fee
15 - 19 June 2026	Frankfurt	Classroom	**€2,275**
20 - 24 July 2026	Barcelona	Classroom	**€2,695**
3 - 7 August 2026	Frankfurt	Classroom	**€2,275**
7 - 11 September 2026	Rome	Classroom	**€2,975**
12 - 16 October 2026	Kuala lumpur	Classroom	**€1,575**
9 - 13 November 2026	Barcelona	Classroom	**€2,695**
14 - 18 December 2026	London	Classroom	**€2,940**

Live online option	Online delivery is available at €1,250.