



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

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

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.