informatech



ACCOUNTING AND FINANCE | COURSE

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.

As the energy sector evolves rapidly, proficient financial modeling and analysis are crucial for decision-making, risk management, and strategic planning.

This Mastering Financial Modeling and Analysis for the Energy Industry training course is designed to provide participants with the skills and techniques necessary to create advanced financial models, perform insightful analyses, and make well-informed decisions tailored to the energy industry.

Course Methodology

This training course will utilize a variety of proven adult learning techniques to ensure maximum understanding, comprehension and retention of the information presented.

The facilitator will provide interactive presentation that incorporates slides, videos, group discussion, and practical exercises to examine all aspects of the topic.

Who should Attend?

This training course is suitable to a wide range of professionals but will greatly benefit:

• This training program is ideal for professionals working in or aspiring to work in the energy industry, including:

• Finance managers, analysts, and professionals in energy companies or utilities

• Project managers and engineers involved in energy project development and financing

• Investment analysts, bankers, and financial advisors specializing in the energy sector

• Consultants, auditors, and advisors providing financial services to energy clients

• Students and academics interested in pursuing careers in energy finance and analysis

Course Objectives



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By the end of this training course, participants will be able to:

• Understand the fundamentals of financial modeling and analysis in the energy industry, including key concepts, methodologies, and best practices

• Gain proficiency in building dynamic and robust financial models tailored to various segments of the energy sector, such as oil and gas, renewable energy, and utilities

• Learn advanced techniques for forecasting revenue, expenses, cash flows, and project returns in energy projects, considering factors like commodity prices, regulatory environments, and technological advancements

• Develop the ability to perform sensitivity analysis, scenario planning, and risk assessment to evaluate the financial viability and resilience of energy investments and projects

• Acquire practical skills in interpreting financial data, conducting financial performance analysis, and communicating insights effectively to stakeholders

Course outline

Day One: 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 Two: 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



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

Day Three: 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

Day Four: 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 Five: 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
9 - 13 November 2026	Barcelona - Spain	Classroom	**€3,080.-**
14 - 18 December 2026	London - U.K	Classroom	**€3,360.-**
18 - 22 January 2027	Frankfurt - Germany	Classroom	**€2,600.-**
15 - 19 February 2027	Barcelona - Spain	Classroom	**€3,080.-**
15 - 19 March 2027	Frankfurt - Germany	Classroom	**€2,600.-**
19 - 23 April 2027	Rome - Italy	Classroom	**€3,400.-**
17 - 21 May 2027	Kuala lumpur - Malaysia	Classroom	**€1,800.-**
21 - 25 June 2027	Barcelona - Spain	Classroom	**€3,080.-**
19 - 23 July 2027	Geneva - Switzerland	Classroom	**€4,200.-**
16 - 20 August 2027	Frankfurt - Germany	Classroom	**€2,600.-**
20 - 24 September 2027	Barcelona - Spain	Classroom	**€3,080.-**
18 - 22 October 2027	Frankfurt - Germany	Classroom	**€2,600.-**
15 - 19 November 2027	Rome - Italy	Classroom	**€3,400.-**
20 - 24 December 2027	Kuala lumpur - Malaysia	Classroom	**€1,800.-**

Live online option	Online delivery is available at €1,850.-.