

Mastering Financial Modeling and Analysis for the Energy Industry

Professional training programme



SPARK TRAINING

Professional training courses for leaders, specialists, and organizations seeking practical capability development.

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— Workshop Overview

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.

Why Attend

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 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

— Learning Objectives

- 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
1****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
2****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
- Case Study: Developing a Comprehensive Financial Model for a Renewable Energy Project

**DAY
3****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
4****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
5****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

— Upcoming Classroom Dates

DATE	LOCATION	FEE
12 - 16 October 2026	Kuala Lumpur - Malaysia	€1,400
9 - 13 November 2026	Barcelona - Spain	€1,925
14 - 18 December 2026	London - United Kingdom	€2,100
18 - 22 January 2027	Frankfurt - Germany	€1,625
15 - 19 February 2027	Barcelona - Spain	€1,925
15 - 19 March 2027	Frankfurt - Germany	€1,625
19 - 23 April 2027	Rome - Italy	€2,125
17 - 21 May 2027	Kuala Lumpur - Malaysia	€1,400

— Certificate and Registration

Participants who attend and complete the full programme receive a SPARK Training Certificate of Completion. For registration, in-house delivery, or availability questions, contact info@sparktraining.eu or +31 85 115 0004.