



Mastering Financial Modeling and Analysis for the Energy Industry

▶ Upcoming Sessions

14-18 Oct 2024	Dubai - UAE	\$5,950
27-31 Jan 2025	Dubai - UAE	\$5,950

▶ Training Details

Training Course Overview

Welcome to the "Mastering Financial Modeling and Analysis for the Energy Industry" training program. In the rapidly evolving energy sector, effective financial modeling and analysis are essential for decision-making, risk management, and strategic planning. This comprehensive course is designed to equip participants with the skills and techniques needed to develop sophisticated financial models, conduct insightful analysis, and make informed decisions specific to the energy industry context.

Training Course Objectives

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

Designed for

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

Learning Methods

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.

► Training Details

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
- ▶ 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

► The Certificate

Anderson Certificate of Completion will be provided to delegates who attend and complete the course

► INFO & IN-HOUSE SOLUTION

For more information about this course, call or email us at:

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Request for a Tailor-made training and educational experience for your organization now:

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