



## Energy Finance

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## **Renewable Energy Technologies**

**5 days training course**

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**For detailed information on training course dates, please click the link:**

**[Energy Finance.](#)**

### **Course Introduction:**

This Energy Finance training course is designed for professionals involved in financial and investment decision-making within the energy sector. It covers the essential concepts, tools, and techniques needed for managing financial performance, making investment decisions, and understanding the financial dynamics in energy firms. Participants will gain the knowledge to assess financial health, evaluate business performance, and make informed financing and investment choices that drive success in energy projects.

### **Course Objectives:**

Upon completing this course, participants will be able to:

- Analyze financial data specific to energy firms and understand key financial statements.
- Assess business performance through ratio analysis from various perspectives.
- Make strategic financing decisions, including determining optimal capital structure.
- Evaluate investment opportunities using advanced techniques such as NPV, IRR, and EVA.
- Understand energy markets, including derivatives and pricing models for energy contracts.

### **Who Should Attend:**

This course is designed for professionals involved in energy financial and investment decisions, including:

- Financial Officers, Controllers, and Accountants
- Treasurers and Treasury Analysts
- Corporate Planning and Business Development Professionals
- Managers from Non-Financial Areas
- Investors

## **Course Outline:**

### **Day 1: Financial Analysis for Energy Firms**

- The Importance of Financial Data Analysis in the Energy Sector
- Key Users and Sources of Financial Information
- Understanding the Purpose of Published Annual Reports and Accounts
- The Structure and Key Components of Annual Reports
- Addressing Agency Problems and Creative Accounting in Energy Firms
- Overview of the Three Core Financial Statements:
  - Income Statement
  - Balance Sheet
  - Statement of Cash Flows

### **Day 2: Business Performance for Energy Firms**

- Importance of Ratio Analysis in Assessing Business Performance
- Performing Ratio Analysis from Various Perspectives:
  - Management's Viewpoint
  - Owner's Viewpoint
  - Lender's Viewpoint
- Pyramids of Ratios: A Systematic Approach to Financial Performance Analysis
- Conducting Distress Analysis for Energy Firms

### **Day 3: Financing Decisions for Energy Firms**

- Overview of Long-Term Sources of Finance:
  - Types of Equity Capital
  - Types of Debt
- Determining the Optimal Capital Structure: Equity vs. Debt
- Calculating Weighted Average Cost of Capital (WACC) and Capital Asset Pricing Model (CAPM)
- Practical Application of WACC and CAPM
- Short-Term Financing Options for Energy Firms

### **Day 4: Investment Appraisal for Energy Firms**

- Investment Appraisal Techniques: NPV, IRR, Payback Period
- Using Excel for Investment Appraisal (IRR, PV, NPV Functions)
- Modified Internal Rate of Return (MIRR)
- Scenario Analysis and Stress Testing in Investment Decision-Making
- Economic Value Added (EVA) for Performance Measurement

## **Day 5: Understanding Energy Markets**

- The Physical Forward and Future Energy Markets
- Exploring the Spot Market for Energy Trading
- Introduction to Energy Derivatives and Pricing Models
- Understanding Energy Options:
  - Call Options
  - Put Options
- Volatility and Its Impact on Energy Market Pricing



## DOCUMENTATION

The **MTC team** has meticulously prepared **high-quality training materials** for distribution to all delegates.

## CERTIFICATES

An **accredited Certificate of Completion** will be awarded to participants who successfully attend and complete the program.

## SCHEDULE

Course sessions are scheduled as follows:

- **Morning Session:** 09:00 AM – 1:00 PM
- **Afternoon Session:** 01:00 PM – 05:00 PM

## REGISTRATION & PAYMENT

To register, please complete the **registration form** available on the course page and submit it with your **preferred payment method**. Alternatively, you can contact us via **email or WhatsApp** for assistance.

## TRAVEL & TRANSPORT

We ensure a **seamless travel experience** by providing **airport-hotel-airport** transfers for all participants.