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Course: Effective Financial Modelling in the Power Industry

Code	City	Hotel	Start	End	Price	Language - Hours
FA-795	Milan (Italy)	Hotel Meeting	2026-03-09	2026-03-13	5450 €	En - 25

Introduction

This comprehensive Effective Financial Modelling in the Power Industry training course is designed to develop your financial modelling skills through the evaluation and analysis of real-life case studies in the Power Industry. It will also develop your knowledge and understanding of finance enabling you to make financial decisions which will, reduce costs, increase profit and minimize risk. The Effective Financial Modelling in the Power Industry training course will examine the latest tools and techniques modelling risk management and performance of Energy related projects using sensitivity and scenario analysis, simulating world events, such as oil price volatility and demand/supply changes.

This training course will feature

- Practical application of financial modelling skills to real life case studies in the Power Industry and your company
- Development of finance knowledge and its application to business problems and decision making
- The development of Financial Models which will be of practical use to you and your organization
- Training using laptops, Excel and the latest financial analysis tools and techniques
- Supporting material in both hard and soft copy

What are the goals?

- Make improved financial decisions
- Develop financial models relevant to the Power Industry
- Apply the latest tools and techniques to analyze financial data
- Manage financial risk using financial models
- Evaluate the performance of Power Industry projects using financial models

Who is this training course for?

- Professionals who need to develop a greater understanding of finance
- Professionals who need to develop their financial modelling skills
- Those who make decisions using financial models or are impacted by those decisions
- Those responsible for managing finance
- Those responsible for managing or monitoring Energy related projects

Course Outline

Day One: Financial Modeling in the Power Industry:

- The Role of Financial Modelling in the Power Industry
- Developing a Financial Model
- Estimating Costs using Financial Models
- Forecasting Energy Prices; Exchange Rates and Interest Rates
- Forecasting using Statistical Methods in Excel – Time Series Analysis, Exponential Smoothing, Correlation & Regression Analysis
- Preparing the Cash Flow Forecast; Income Statement, Balance Sheet (Statement of Financial Position)

Day Two: Financial Models to Improve the Performance of Energy Projects:

- Estimating Activity Cost & Duration
- Minimizing Downtime and Faults

- Critical Path Analysis/GANTT Charts – Financial & Manpower implications
- Earned Value Analysis- to identify Project Cost and Schedule Variances
- Simulating changes in the project
- Variance Analysis

Day Three: Financial Models to Evaluate Growth Opportunities in the Power Industry:

- Models to simulate growth strategies
- Modelling Finance Decisions – Equity or Debt and the Cost of Capital
- Capital Investment Decisions – Payback, ARR, NPV& IRR using Excel
- Examining the Impact on Working Capital
- Purchase Decisions
- Mergers & Acquisitions – Modelling the impact on Share Price, Market Value, Earnings & EPS

Day Four: Models to Manage Financial Risks & Uncertainties:

- Identifying & Managing Financial Risks in the Power Industry
- Modelling Risk & Uncertainty
- Simulating changes to Costs & Accounts Payable
- Simulating changes to Sales Volume, Energy Price & Accounts Receivables
- Break Even Analysis
- Using Derivatives to Managing Energy Prices Volatility, Interest Rates & Exchange Rates

Day Five: Evaluating Financial Performance using Financial Models:

- Cross Sectional & Time Series Models of Analysis
- Financial Ratio Analysis
- Benchmarking Performance
- Evaluating Return on Capital Employed

- Maximizing Shareholder Wealth
- Modelling Decision making to Improve Performance

The Scandinavian Academy for Training and Development adopts the latest scientific and professional methodologies in training and human resource development, aiming to enhance the efficiency of individuals and organizations. Training programs are delivered through a comprehensive approach that includes:

- Theoretical lectures supported by PowerPoint presentations and visual materials (videos and short films).
- Scientific evaluation of participants before and after the program to measure progress and knowledge acquisition.
- Brainstorming sessions and practical role-playing to simulate real-life scenarios.
- Case studies tailored to align with the training content and participants work nature.
- Assessment tests conducted at the end of the program to evaluate the achievement of training objectives.

Each participant receives the training material (both theoretical and practical) in printed form and saved on a CD or flash drive. Detailed reports, including attendance records, final results, and overall program evaluations, are also provided.

Training materials are prepared professionally by a team of experts and specialists in various fields. At the end of the program, participants are awarded a professional attendance certificate, signed and accredited by the Scandinavian Academy for Training and Development.

Program Timings:

- 9:00 AM to 2:00 PM in Arab cities.
- 10:00 AM to 3:00 PM in European and Asian cities.

The program includes:

- A daily buffet provided during the sessions to ensure participants comfort.