Mobile | +46700414979 : Mobile | +46114759991 : Phone :
Email | info.en@scandinavianacademy.net Web site:https://scandinavianacademy.net/en :
Sweden - Norrköping - Timmermansgatan100 | P.O.BOX : 60359

Course: Effective Financial Modelling in the Power Industry

Code	City	Hotel	Start	End	Price	Language - Hours
795	Munich (Germany)	Hotel Meeting Room	2025-03-10	2025-03-14	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 employs modern methods in training and skills development, enhancing the efficiency of human resource development. We follow these practices:

- **Theoretical Lectures:**
  - We deliver knowledge through advanced presentations such as PowerPoint and visual materials, including videos and short films.
- **Scientific Assessment:**
  - We evaluate trainees skills before and after the course to ensure their progress.
- **Brainstorming and Interaction:**
  - We encourage active participation through brainstorming sessions and applying concepts through role play.
- **Practical Cases:**
  - We provide practical cases that align with the scientific content and the participants specific needs.
- **Examinations:**
  - Tests are conducted at the end of the program to assess knowledge retention.
- **Educational Materials:**
  - We provide both printed and digital scientific and practical materials to participants.
- **Attendance and Final Result Reports:**
  - We prepare detailed attendance reports for participants and offer a comprehensive program evaluation.
- **Professionals and Experts:**
  - The programs scientific content is prepared by the best professors and trainers in various fields.
- **Professional Completion Certificate:**
  - Participants receive a professional completion certificate issued by the Scandinavian Academy for Training and Development in the Kingdom of Sweden, with the option for international authentication.
- **Program Timings:**
  - Training programs are held from 10:00 AM to 2:00 PM and include coffee break sessions during lectures.