



External Training Course

Financial Modelling in the Oil & Gas Industry

M	Place	Language	Price	From	To
1	Muscat - Oman	English	1500 KWD	28/07/2025	01/08/2025
2	Doha - Qatar	English	1500 KWD	01/09/2025	05/09/2025
3	Rome - Italy	English	1950 KWD	08/09/2025	12/09/2025
4	Lisbon - Portugal	English	1950 KWD	15/09/2025	19/09/2025
5	Dubai - UAE	English	1500 KWD	06/10/2025	10/10/2025
6	Lisbon - Portugal	English	1950 KWD	03/11/2025	07/11/2025
7	Dubai - UAE	English	1500 KWD	22/12/2025	26/12/2025

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External Training Course:

Financial Modelling in the Oil & Gas Industry

Course Overview:

This Financial Modelling training course is designed to enhance participants understanding of advanced use of Excel. The global competitive environment affecting firms across all sectors including Oil & Gas companies. The ability of using Excel to its fullest is the minimum requirement to remain competitive in the current environment. This training course is designed to provide in-depth knowledge of using Excel in financial modelling. Upon completion the delegates will have the skills to use Excel efficiently, understanding how to deal with several important issues related to financial modelling, performance measurements and setting targets using sophisticated techniques. The delegates will have the knowledge to explain and propose various methods relevant in enhancing company performance. In addition, working in the upstream or downstream and the career progression is being restricted by outdated knowledge of modelling techniques, measuring performance, and limitations. This training targets areas of weakness, so that participants will be able to build-up their confidence in financial modelling and moving their career forward. This Financial Modelling in the Oil & Gas Industry training course will highlight:

- Applications of Excel from the basics to the most advanced use of Excel.
- A real-world approach to the discipline.
- Numerous examples based around the oil and gas industry.
- A dual approach that develops not only modelling skills but also financial management skills.
- In-depth analysis of the performance using statistical techniques.

Course Objectives:

By the end of this Financial Modelling training course, the participants will be able to:

- Improve the quality of the quantitative analysis of corporate presentations.
- Apply financial modelling in the oil and gas industry.
- Effectively assess the appropriate discount rate.
- Use various models of investment appraisal techniques.
- Use business statistics to enhance operations and target setting for the organization.

Training Methodology:

Each of the sessions will involve formal lectures, demonstration of modelling techniques, and the opportunity for practical application. Practical examples, and the use of mini cases will assist participants to understand the practical applications of the techniques used and prepare them to use these skills in their workplace.

Organisational Impact:

The organisation will benefit the following upon participating this Financial Modelling training course is profound:

- Providing opportunities to develop high-level financial management techniques.
- Appropriate application of the financial modelling to the Oil and Gas industry.
- Updating their quantitative techniques to enable them to make a better-informed decision.
- Transforming Excel skills to advanced knowledge of Excel for financial modelling.
- Enhancing the ability to apply business statistics.
- Effective data analysis to improve day-to-day operation activities.

Personal Impact:

The impact of this Financial Modelling training course to the participants are manifold and includes:

- Advanced ability in financial modelling using Excel.
- Gain larger skills set when contributing to corporate decisions.
- Ability to question important decisions formed using financial modelling.
- Ability to use statistics in the operation and performance measurements.
- Setting consistent targets using statistical analysis.
- A clear understanding of performance measurements.

Course Content & Outline:

DAY 1: Introduction to the Excel Environment with Oil and Gas

- A Quick-start Tutorial for Excel.
- Describing Data Sets Using Statistics.
- Representing Data sets Graphically.
- Understanding the Concept of Normal Distribution and practical application.
- Trend Analysis Using Excel.
- Time Series Analysis.

DAY 2: Statistical Analysis (Applied to the Oil and Gas Industry) Using Excel

- Use of Excel Functions for Statistical Analysis.
- Descriptive Statistics and their applications:
 - Mean - Median - Standard Deviation
 - Skewness - Kurtosis
- Use of Scatter Diagrams, Frequency and Histogram Distribution.
- Regression Techniques to Calculate the Cost of Equity Financing.
- Analysis of Equity Returns of Oil and Gas Industry and Companies.

DAY 3: Oil Product Spreads

- Examining the Relationship between Energy Products.
- Differences between Data Sets and their importance.
- Correlation Analysis.
- Confidence Intervals.
- Application of Analysis of Variance (ANOVA).

DAY 4: Investment Appraisal Using Excel

- Investment Appraisal using NPV, IRR, and Payback as Applied to the Oil and Gas Industry.
- Use of Excel Functions for Investment Appraisal: IRR, PV and NPV.
- Modified Internal Rate of Return (MIRR).
- Use of Scenario Analysis and Stress Testing.
- Predicting Financial Distress.

DAY 5: Financial Analysis in the Up and Down Stream Oil and Gas Industry

- Introduction to Financial Statements.
- Ratio Analysis Applied to the Oil and Gas Industry.
- Ratios as a System – Pyramids of Ratios.
- Financial Modelling.
- Cash Flow Forecasts Using Excel.