Energy Exchange, Risk Management & Estimation

Making Business Decisions Based on Market Insights

Introduction

The energy markets around the world are changing. Increases and decreases in energy prices have a profound impact on businesses and the sector. There is also a strong correlation between market changes and energy resources. First and first, we must comprehend the energy markets in order to make wise business judgements. The market is where "individual ambition serves the common good," according to a quote from Adam Smith.

In addition to providing insights for price trading and risk management, this training course educates the audience to the fundamentals of the energy markets. It talks about the insights we may use to make better business decisions and emphasises the importance of the energy markets, which include those for electricity, natural gas, and oil. It also draws attention to recent developments (such the emission markets). Key insights would be our main focus.

The following will be covered in this Course N Carry Energy Exchange, Risk Management & Estimation Training Course:

- The global energy markets and the energy landscape
- The local markets for natural gas and electricity
- Market intelligence to create value through wise investing choices
- Market risk and unpredictability
- Risk management (including hedging techniques) and forecasting's power
- New developments in the markets for emissions, weather, and electricity

Objectives

Value creation is a must for success in the energy sector. Information regarding the general activities of its participants as well as the industry trend is provided by the energy commodity markets. This produces insights that help with wise business choices. Value creation is typically the result of wise project decisions.

Upon completion of this training programme in Energy Exchange, Risk Management & Estimation, you will be able to:

- Recognise the issues and trends facing the energy sector.

- Recognise the forces that shape the energy markets and their dynamics.
- Learn from market dynamics to bolster project evaluations.
- Utilise the knowledge to make technical and financial decisions.
- Provide models that generate insights for business.

Training Methodology

The teacher employs a tried-and-true learning technology that has been applied with great success. The training programme consists of talks, lectures, and supervised practical experience. Developing problem solvers and capable decision makers is the goal, not just disseminating knowledge.

Organizational impacts

In the energy sector, making wise managerial decisions is the biggest obstacle. The companies ought to be able to choose worthwhile initiatives to invest in by using market knowledge. Participants in this training programme learn how to;

- Boost the organization's capacity for energy venture analysis and evaluation.
- Have the know-how to extract meaning from market dynamics.
- Have a positive impact on the energy value chain.
- Gain an understanding of the energy industry and the projects' allure.
- Encourage the careful process of making decisions.
- Provide access to further opportunities within the energy sector.

Personal Imapct

Learning how the energy markets function improves one's ability to make decisions and broadens one's viewpoints. This is due to the fact that these abilities raise an individual's value within an organisation. With the knowledge and abilities this training programme imparts, participants will be better equipped to evaluate projects and make investments in the energy industry.

The following benefits will be obtained by the delegates by attending this training course:

- Increases participants' capacity for analysis.
- Presents cutting-edge techniques for analysis using simulation software to the audience.
- Clarifies things to aid in decision-making.
- Improves managerial comprehension and the use of market knowledge to make better company decisions.
- Gives participants the ability to apply their analytical skills in comparable situations.

Who should attend?

A wide range of professionals can benefit from this Course N Carry Energy Exchange, Risk Management & Estimation, including:

- Decision-makers and managers who are active in generating value for the energy industry.
- Employees in the commercial sector that are interested in learning more about the energy markets.
- Those who make decisions about investments in oil and gas.
- Analysts who are looking for market intelligence to help with project decision-making.
- Professionals who want to learn more about the energy markets.

Course Outline

Day 1

A Synopsis of the Energy Sector

- An overview of the petroleum industry's history.
- Energy markets: natural gas, crude oil, and their byproducts.
- Alternative energy sources: The comparison between renewable and fossil fuels.
- The dynamics of supply and demand in the energy sectors.
- Estimating reserves and the world's natural gas and oil reserves.
- The mechanism of price discovery and its evolution.

Day 2

International and Local Energy Markets

- The development of commodities markets for energy.
- Project value chain for energy.
- Price patterns and information to help with company choices.
- Drivers of project value.
- Knowledge gained from the oil and gas sector.

Day 3

Price Uncertainty and Risk

- Risk vs uncertainty in the energy markets.
- An overview of corporate finance as the basis for generating value.
- Comparisons across time (money's temporal worth).
- Comparisons of risk premiums across risk levels.
- Value-related methods.

- Analysis of sensitivity in project evaluations.
- Price risk is among the business's most crucial variables.

Day 4

Controlling Market Risk

- Uncertainty modelling.
- Risk, uncertainty, and the potential for profit.
- Hedging and insurance are risk management instruments.
- Contracts for forwards, futures, options, and other derivatives.
- Market efficiency and potential for arbitrage.
- Case study: Using forward contracts to set up a crude oil hedge.

Day 5

Future trends and analytical instruments

- Spreadsheet applications of economic theory.
- Examining financial transactions.
- The energy markets and geopolitics.
- The pragmatic elements of business decisions related to petroleum.
- Financial decision-making's behavioural components.
- Biases and heuristics in managerial decision making.
- Environmental concerns and the emission markets are emerging issues.
- Does "individual ambition serve the common good"? is a question for conclusion.

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