International Energy Markets & Pricing

13 – 17 September 2027
Accra (Ghana)



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Ref: 321374_153504 **Date:** 13 – 17 September 2027 **Location:** Accra (Ghana) **Fees:** 4900 GBP

Introduction

This 1-week accelerated Global Energy Markets training course is designed to provide participants with a comprehensive understanding of the global energy industry, covering both fossil fuels and renewable sources. It explains the overall dynamics of the energy market, including the supply-demand balance, price volatility, and the geopolitics that influence energy pricing and trade.

The course covers various energy sources including crude oil, natural gas, LNG, refined products, and renewables solar, wind, hydro, nuclear. Special attention is given to energy pricing strategies, global energy market trends, and energy price volatility, with a focus on how to manage the inherent risks and uncertainties in energy markets.

Course Objectives

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

- Gain a broad understanding of global energy markets including fossil fuels, renewable energy pricing, and energy price volatility.
- Master energy pricing models and strategies for managing the inherent risks of the energy market and global energy supply chains.
- Analyze and interpret global energy economics and how they affect energy pricing strategies in international markets.
- Enhance their skills in evaluating energy pricing models for both fossil fuels and renewable energy sources, and assess the energy price volatility implications.
- Become proficient in managing the economic risks associated with fluctuations in energy prices and their impact on energy trading and marketing.



Course Outlines

Day 1: Essential Petroleum Upstream Practices

- Introduction to the Course
  An overview of the key elements of global energy economics, focusing on both fossil fuels and renewable sources.

- Formation of Oil and Gas
  The geologic processes behind oil and gas formation and their impact on global energy production.

- Petroleum Engineering and Well Completion
  Understanding the role of engineering in oil and gas extraction, well logging, and completion techniques in upstream petroleum activities.

- International Oil Supply
  Global reserves, production, trade, and the importance of energy pricing for determining international oil market dynamics.

- Fundamentals of Oil Economics
  Key principles of global energy market analysis and how they influence energy price volatility and production strategies.

- Renewable Energy Sources and Their Levelized Cost
  Comparing the cost of renewable energy solar, wind, hydro with fossil fuels, and understanding the emerging role of renewables in the global energy mix.

Day 2: Crude Oil Trading - The Big Picture

- The Evolution of International Oil Pricing
  Overview of how oil prices have been set historically and the development of modern pricing systems.

- Trading Physical Crude Oil and Its Logistics
  Insights into the physical oil trade, logistics involved, and the impact of global energy pricing models.



Day 3: Refined Products Pricing and Trading

- Trading Refined Products
  Exploring the trading dynamics of refined products and how they differ from crude oil markets.
- Refining Basics and Upgrading
  Understanding the key processes involved in refining and upgrading crude oil and their impact on energy price volatility.
- The Price of Refined Oil Products
  How refined oil products are priced in international markets and the factors affecting their volatility.

Day 4: Energy Price Risk Management

- Oil Products Price Risk Management
  Analyzing the various ways to manage energy price volatility, using tools such as hedging, futures, and swaps markets.
- Measuring Risk
  Techniques for quantifying the risks associated with fluctuating energy prices and their impact on the energy market.
- Forward, Futures, and Swaps Markets
  Understanding the role of financial markets in energy price risk management, including the role of forwards, futures, and swaps in mitigating risk.
- Crack Spreads
  Exploring how crack spreads are used as a tool to understand refining margins and their impact on the broader energy market.



Day 5: Legal and Regulatory Issues

- Legal and Regulatory Issues in Energy Markets
  Review of the legal and regulatory frameworks governing energy markets in different regions, including international energy regulations and their impact on pricing.
- Regulations in the United States, United Kingdom, Singapore
  A deep dive into the regulatory landscape in these key energy markets and how they influence energy pricing strategies.
- Managing Financial Risk in Energy Markets
  Techniques for controlling financial risks related to energy price volatility, with an emphasis on regulatory compliance and market stability.

Why Attend This Course: Wins & Losses!

- Gain a Global Energy Market Perspective: Understand the key drivers of global energy market trends and the impact of energy pricing on international trade and economics.
- Master Energy Price Volatility: Learn to navigate the complexities of energy price volatility and explore the tools for effective price risk management.
- Broaden Your Knowledge of Renewable Energy: Understand how to incorporate renewable energy marketing strategies into your business to enhance sustainability and profitability.
- Understand Energy Pricing Models: Master how to evaluate and implement energy pricing strategies for both fossil fuels and renewable energy sources, including the economic implications of energy price fluctuations.
- Practical Application of Energy Market Analysis: Learn to apply theoretical concepts of energy price volatility and global energy supply chains in real-world energy trading and pricing decisions.

Conclusion

The Global Energy Markets course offers a comprehensive understanding of energy pricing strategies, market trends, and risk management tools that are essential for professionals working in energy sectors. By attending, participants will enhance their ability to navigate the complexities of energy price volatility and the global energy supply chain, giving them a competitive edge in the evolving energy landscape.

