



An Intensive 5-Day Online Training Course

The Global Energy Markets & Management of Financial Risk

PROGRAMME SUMMARY

The Global Energy Markets & Management of Financial Risk online training course is designed to give participants an in-depth understanding of global energy markets and the skills to manage financial risks caused by volatility, enabling benefits to be transferred to their workplace

Date	Venue	Fee(\$)
04 - 08 Sep 2022	Live / Online	US\$ 2,400

INTRODUCTION

Global Energy Markets are extremely volatile, as a result, management of the associated financial risks is vital to ensure profit maximization.

This online training course is designed to give participants an in-depth understanding of global energy markets and the skills to manage financial risks caused by volatility.

Through participation in energy related case studies delegates will develop models to forecast energy and forward / futures prices and recommend appropriate energy-related derivatives to hedge and manage the risks

Participants attending the Global Energy Markets & Management of Financial Risk online training course will develop the following competencies:

- Analytical Skills – examining volatility in Energy Markets
- Financial Modeling – analyzing and forecasting energy prices and forward/ future prices
- Risk Management Techniques – developing an understanding of energy-related derivatives
- Decision Making Skills – balancing risk with return

Classroom
 learning service
 available



TRAINING METHODOLOGY

The Global Energy Markets & Management of Financial Risk online training course will combine presentations with interactive practical exercises, supported by video materials, activities and case studies. Delegates will be encouraged to participate actively in relating the principles of risk management to the particular needs of their workplace.

PROGRAMME OBJECTIVES

This Global Energy Markets & Management of Financial Risk online training course aims to enable participants to achieve the following objectives:

- Estimating and calculating volatility in energy prices
- Develop Financial Models to analyse and forecast energy prices and forward/future prices
- Understand the nature of Derivatives – Forwards, Options, Futures & Swaps
- Recommending appropriate energy-related derivatives
- Improved Decision Making Skills balancing risk with return

QUALITY CERTIFICATIONS & ACCREDITATIONS



In-house Training

EuroMaTech is capable of conducting this training programme exclusively for your delegates. Please e-mail us on inhouse@euromatech.ae for further information and/or to receive a comprehensive proposal.



Training Seminars & Conferences
www.euromatech.com



+971 50 196 6003

Email Address:

info@euromatech.ae

Website:

www.euromatech.com



COURSE OUTLINE



Day 1

Global Energy Markets & Price Volatility

- The Energy Markets
- The Impact of Economic, Financial & Geopolitical Events on Energy Prices
- The Impact of Seasonality on Global Energy Markets
- Energy Futures Markets
- Energy Prices and Inflationary Pressures
- Forecast Energy Demand & Prices

Day 2

An Overview of Financial Risk Management

- What is Financial Risk Management ?
- Risk Management Techniques
- Hedging, Speculation & Arbitrage
- Derivatives – Forwards & Futures
- Options
- Commodity Swaps

Day 3

Option Pricing

- Black-Scholes Option Pricing Model
- Payoffs and Put-Call Parity
- Option “Sensitivities” (the “Greeks”): Delta and Gamma
- The Binomial Model and the Valuation of American-Style Options
- Real Options in Energy Market
- Power Plants as a Strip of Spark Spread Options; Oil Fields as the Valuation of an Extraction Option

Day 4

Estimating the Price Process in Energy Markets

- Historical Volatility: The Term Structure of Volatility (TSOV)
- Estimating Volatility from Market Prices of Options in Energy Markets
- Historical or Implied Volatility?
- Estimating a Mean-Reverting Process
- Extrapolating Energy Finance
- VAR and CVAR (Credit Value-at-Risk) in the Energy Industry

Day 5

Energy Derivative Products

- Commercial Structured Products
- Categorizing Derivative Products
- Structuring and Valuing Option Collars
- Structuring and Valuing Average (Asian) Options
- Using Vanilla Options to Determine the Value of Volatility
- Non-Commercial Structured Products

The Global Energy Markets & Management of Financial Risk



Date

04 - 08 Sep 2022

Venue

Live / Online

Fee(\$)

US\$ 2,400

All Fees are subject to 5% Value Added Tax (VAT).*

Your Details

Name (Mr/Ms):.....

Position:..... Organisation:.....

Address:.....

.....

City / Country:

Telephone: Email:

Mode Of Payment

Please find enclosed a cheque made payable to EuroMaTech

Please invoice me

Please invoice my company as follows:

Contact Name:

Company Name:

Address:.....

Email:

Documentation

High Quality material has been prepared by the Seminar Leader for distribution to delegates.

Certificates

A Certificate of Completion will be issued to those who attend & successfully complete the programme.

Registration & Payment

Please complete the registration form on this page & return it to us indicating your preferred mode of payment.

For Further Information, email us at info@euromatech.ae.

Cancellation Policy

Request for seminar cancellation must be made in writing & received at EuroMaTech three weeks prior to the seminar date. A U.S.\$250/- processing fee will be charged per delegate for each cancellation. Thereafter, we regret that we are unable to refund any fees due, although in such cases we would be happy to welcome a colleague who would substitute for you.

Disclaimer

EuroMaTech reserves the right to alter the content, location of the Seminar, or the identity of the speakers in case of events beyond our control.

Contact Us:

Middle East Office:

P.O. Box 74693

Dubai, United Arab Emirates

Telephone: +971 4 4571 800

Fax: +971 4 4571 801

Email Address:

info@euromatech.ae

Website:

www.euromatech.com