

# Training Course: Energy Value Creation 

2-6 December 2024<br>Madrid (Spain)<br>Pestana CR7 Gran Vía

Global Horizon

# Training Course: Energy Value Creation 

Training Course code: EW234783 From: 2-6 December 2024 Venue: Madrid (Spain) - Pestana CR7 Gran Vía Training Course Fees: 6300 Euro

## Introduction

This training course aims to provide the knowledge and skills to analyze and evaluate investment decisions to distinguish value-creating from value-destroying ventures. Finding energy resources is an uncertain business. Historically, many ventures failed, yet some successful projects also led to business success and significant value creation. Then, what is a good project opportunity?

The answer is likely multi-dimensional; it is about understanding disciplines from subsurface to economic, comprehensive coverage that eventually reflects our understanding of the value potentials of energy projects

## Course Objectives:

By the end of this Energy Value Creation training course, the participants will be able to:

- Understand the principles of finance and economic decision analysis in the energy business
- Gain skills in effective formulation of investment decisions
- Understand the challenges of investment under uncertainty
- Gain skills in using analytical tools, including probabilities and decision trees
- Apply the knowledge and skills to the analysis of value-creating decisions


## Target Audience:

- Analysts working on feasibility analysis of energy projects
- Engineers involved in the investment decision process
- Managers with responsibility or interest in the investment decision process
- Decision-makers within corporations or government bodies
- Individuals interested in expanding their skills and knowledge in the field of energy value creation


## Course Outline:

Day 1

## PRINCIPLES OF CORPORATE FINANCE AND VALUE CREATION

- Introduction to Energy Value Chain
- Analysis of decision making and corporate objectives
- Understanding uncertainty in Energy Projects
- Modelling Uncertainty
- Using probability to encode uncertainty
- Economic Consideration: Informed Analysis for value-creating decisions

Day 2

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## FROM UNCERTAINTY TO VALUE

- Comparative Analysis of Value
- Comparisons of Value Across Time
- Comparison of value across various levels of uncertainty
- Risk vs Uncertainty: Theory and Practice
- Principles of Discounted Cash Flow

Day 3
PROJECT CASH FLOWS, UNCERTAINTY, AND RISK

- Technical and Market Risks
- The Effect of Diversification
- Risk-Return Tradeoffs
- The Capital Asset Pricing Model CAPM
- Discounting Risk Premiums

Day 4
PROJECT APPRAISALS

- Uncertainty, risk, and financial return at Project and Portfolio Level
- Financing Leverage and its Effect
- General Investment Analysis, Energy Markets, and Prices
- Estimation of the Discount Rate
- Introduction to certainty-equivalent approach to investment analysis

Day 5
CHALLENGES IN THE ENERGY LANDSCAPE

- Managerial flexibilities and uncertainty
- Energy commodities and exchanges, market instruments to hedge risk
- Decision trees as a modeling and communications tool
- An integrated approach to valuation and analysis of value creation
- Future Challenges: environmental issues, emission taxes, and emission markets


# Registration form on the Training Course: Energy Value Creation 

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Complete \& Mail or fax to Global Horizon Training Center (GHTC) at the address given below

## Delegate Information

Full Name (Mr / Ms / Dr / Eng):
Position:
Telephone / Mobile:
Personal E-Mail:
Official E-Mail:

## Company Information

Company Name:
Address:
City / Country:
Person Responsible for Training and Development
Full Name (Mr / Ms / Dr / Eng): $\qquad$
Position:
Telephone / Mobile:
Personal E-Mail:
Official E-Mail:

## Payment Method



Please find enclosed a cheque made payable to Global Horizon
$\square$
Please invoice me
$\square$ Please invoice my company

## Easy Ways To Register

| Telephone: +201095004484 to <br> provisionally reserve your place. | $\begin{gathered} \text { Fax your completed } \\ \text { registration } \\ \text { form to: }+20233379764 \end{gathered}$ | E-mail to us : info@gh4t.com or training@gh4t.com | Complete \& return the booking form with cheque to:Global Horizon 3 Oudai street, Aldouki, Giza, Giza Governorate, Egypt. |
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