



*Training Course:  
Energy Value Creation*

*20 - 24 May 2024  
Singapore*

## Training Course: Energy Value Creation

Training Course code: EW234783 From: 20 - 24 May 2024 Venue: Singapore - Training Course Fees: 7140 € 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

## 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): .....  
Position: .....  
Telephone / Mobile: .....  
Personal E-Mail: .....  
Official E-Mail: .....

### Payment Method

- ☐ Please find enclosed a cheque made payable to Global Horizon
- ☐ Please invoice me
- ☐ Please invoice my company

### Easy Ways To Register

Telephone:  
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provisionally reserve your  
place.

Fax your completed  
registration  
form to: +20233379764

E-mail to us :  
info@gh4t.com  
or training@gh4t.com

Complete & return the  
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to: Global Horizon  
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