XCELERATE TRAINING INSTITUTE

your learning & development partner

ACCOUNTING & FINANCE

Advanced Energy Finance Training Course

DURATION	LANGUAGE	FORMAT
10 days	**English**	**Classroom / Online**

Upcoming dates

Dates	Venue	Format	Fee
12 – 23 Apr 2027	Live online	Online (live)	**€1,800**
18 – 29 Oct 2027	Live online	Online (live)	**€1,800**
15 – 26 Nov 2027	Amsterdam	Classroom	**€8,250**

Register or ask a question

Online: x8ti.com/course/advanced-energy-finance-training-course-2/

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Advanced Energy Finance Training Course

Introduction

Energy Finance encompasses the study of finance related to the production, supply, and consumption of energy within societies. It involves analyzing energy resources, their production costs, commodities, and availability for future planning. Energy finance aims to develop policies that ensure the cost-effective, sustainable, and reliable supply of energy.

Learning Objectives

The Energy Finance training program aims to equip professionals with:

- Knowledge of processes and systems for energy conversion and distribution.
- Understanding of the economic rationale behind energy exploration, development, capital budgeting, option pricing, and risk management.
- Insight into the relationship between energy and environmental problems.
- Awareness of various energy resources, their advantages, and disadvantages, and their roles in modern society.
- Comprehension of the interrelationships between energy use, industrial progress, and environmental issues.
- Fundamentals of microeconomic principles in energy finance.
- Techniques for valuing forwards, futures, swaps, and vanilla options (calls and puts).
- Understanding of risk management in the context of energy.
- Skills and experience to train others in best practices of energy finance.
- Exposure to addressing aspects of climate change and energy policy.
- Capabilities to manage energy finance effectively and identify career growth opportunities.

Training Methodology

Xcelerate Training Institute offers customized training based on the background of the participants. The course content is reviewed and updated before each session. Training is delivered by experienced professionals using live audio-visual presentations and encourages two-way interaction through group activities and projects. The unique Do–Review–Learn–Apply Model ensures maximum engagement and learning.

Benefits for Your Organisation

Organizations will benefit from:

- Better management of energy finance.
- Understanding new opportunities for financing energy projects.
- Detailed assessment and mitigation of risks by experts.
- Improved prediction and assessment of energy demand to increase profits.
- Higher client satisfaction due to balanced energy supply and demand, preventing delays.
- Application of advanced concepts and models to enhance productivity.

- Regular training on best practices and advancements in energy finance.

Benefits for You

Participants will gain:

- Understanding of all critical aspects of energy finance.
- Improved analytical skills to assess energy demand and supply.
- Confidence and skills to train others in best practices.
- Knowledge of modern techniques in energy finance, enabling higher responsibilities.
- Strategic skills to work with different systems and manage energy finance.
- Ability to predict and mitigate risks.
- Skills to drive energy supply, consumption, and distribution.
- Pride in contributing to organizational growth through effective energy finance management.

Who Should Attend

This course is ideal for:

- Executives and managers responsible for energy finance management.
- Policymakers creating organizational energy policies.
- Senior managers and directors needing detailed understanding of energy finance.
- Financial analysts and officers involved in energy finance.
- Strategists and analysts performing detailed energy demand and supply analyses.
- Employers interested in global energy finance.

Course Outline

Energy and Its Types

- Basics of energy and renewable energy project finance
- Power, coal, oil, and gas
- Nuclear power
- Biofuel production
- Technological and physical constraints of energy
- Project finance in specific energy sectors
- Transmission lines

Energy as Trade

- Energy infrastructure financing
- Contracts specific to energy
- Trading of energy and commodity markets
- Financial and physical carbon markets

Sustainable Climatic Goals and Energy

- Current climate change issues
- Development of green technologies in energy

- Climatic goals and policies
- Strategies for green technology development

Strategies in Energy

- Strategies in the energy sector
- Energy in the corporate sector
- Energy-sensitive industries

Energy Financing

- Principles of non-recourse finance
- Market of project finance
- Differences between energy project finance and other project financing
- Principles of project finance

Energy Projects Financing

- Energy products and projects
- Commodities and markets
- Project finance for power generation, LNG terminals, transmission lines, pipelines, refineries, and oil & gas exploration

Business with Energy

- Business models in the energy sector
- Revenue models: production profiles, contract types, off-take agreements
- Pricing: auctions, markets, fixed
- Operational costs: fixed, variable, working capital

Project Funding and Resources

- Sources and instruments of finance
- Funding lifecycle of a project
- Classes of funding
- Fundamentals of financing instruments
- Islamic financing structures
- Repayment methods, interest calculations, credit ratios

Cash Flow Management and Investment

- Cash flow model
- Project analysis and structuring
- Sensitivity and scenario analysis
- Debt sizing
- Credit and investment decisions
- Refinancing debt, secondary equity sale

Risk Assessment and Liquidity

- Risk assessment and strategy
- Identifying risks: credit, market interest, liquidity, supply, currency, political issues

- Structures to allocate, finance, or mitigate risk
- Impact on financial model

Contracts of Energy Projects

- Contractual and legal framework of energy projects
- Critical contracts: loan agreements, project implementation agreements
- Energy project contracts, O&M contracts, power purchase agreements, corporate documentation, land agreements, bond documentation
- Bankruptcy of debt or equity providers
- Insurance
- Anti-corruption and anti-money laundering

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Registration Form

Advanced Energy Finance Training Course

Preferred dates: ..... Venue or online: .....

Duration: 10 days Language: .....

Please complete and email this form to us, or register online. We confirm your place and send the invoice within one working day.

Delegate information

Full name (Mr / Ms / Dr / Eng): .....

Position: ..... Telephone / mobile: .....

Official email: ..... Personal email: .....

Company information

Company name: .....

Address: .....

City / country: ..... VAT / tax number: .....

Person responsible for training & development

Full name (Mr / Ms / Dr / Eng): .....

Position: ..... Telephone / mobile: .....

Email: .....

Payment

☐ Please invoice me ☐ Please invoice my company

Signature: ..... Date: .....

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Email this form
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Register online
Open the course page