Training Course on Financing of Energy Projects

Professional Development Training Course Outline

Category	Development	**Duration**	5 Days
Base Fee	$1,500 USD	**Delivery Mode**	Online / On-site Hybrid

Course Introduction

In today’s rapidly evolving global energy landscape, financing of energy projects has emerged as a critical component of sustainable development. Whether in renewable energy, power infrastructure, or smart grids, financial modeling, risk management, and capital structuring are central to driving large-scale energy initiatives. This course equips learners with cutting-edge financial strategies and tools essential for navigating the complexities of project financing in energy markets. Learners will gain practical knowledge on green finance, climate investment, energy economics, and infrastructure finance to lead successful energy projects.

With growing demands for clean energy, decarbonization, and sustainable infrastructure, professionals must understand the nuances of financial instruments, public-private partnerships (PPPs), and international funding mechanisms. Training Course on Financing of Energy Projects is designed to provide hands-on, strategic insights into the world of energy project finance, making it highly valuable for government officials, private investors, and sustainability-driven entrepreneurs.

Programme Curriculum

Training Course on Financing of Energy Projects

Introduction:

In today’s rapidly evolving global energy landscape, financing of energy projects has emerged as a critical component of sustainable development. Whether in renewable energy, power infrastructure, or smart grids, financial modeling, risk management, and capital structuring are central to driving large-scale energy initiatives. This course equips learners with cutting-edge financial strategies and

tools essential for navigating the complexities of project financing in energy markets. Learners will gain practical knowledge on green finance, climate investment, energy economics, and infrastructure finance to lead successful energy projects.

With growing demands for clean energy, decarbonization, and sustainable infrastructure, professionals must understand the nuances of financial instruments, public-private partnerships (PPPs), and international funding mechanisms. Training Course on Financing of Energy Projects is designed to provide hands-on, strategic insights into the world of energy project finance, making it highly valuable for government officials, private investors, and sustainability-driven entrepreneurs.

Course Objectives

1. Understand the fundamentals of energy project financing and investment structures
2. Analyze renewable energy finance strategies including solar, wind, and hydro projects
3. Apply financial modeling techniques for energy infrastructure
4. Identify key sources of green bonds and climate finance
5. Evaluate risk assessment and mitigation approaches in energy projects
6. Explore public-private partnership (PPP) frameworks and case studies
7. Master concepts in project structuring, equity vs. debt financing
8. Navigate international financial institutions (IFIs) and donor funding programs
9. Assess energy policy impacts on financing opportunities
10. Develop business cases for energy efficiency projects
11. Leverage carbon credits and emission trading markets
12. Gain insights into digital transformation in energy finance
13. Build investor-ready energy project proposals and pitch decks

Target Audience:

1. Energy Project Managers
2. Infrastructure Finance Professionals
3. Government Policy Advisors
4. Sustainable Investment Analysts
5. Environmental Engineers
6. Entrepreneurs in Clean Tech
7. Development Bank Officers
8. Renewable Energy Consultants

Course Duration: 5 days

Course Modules

Module 1: Introduction to Energy Project Finance

- Overview of energy sectors and market trends

- Key terminologies and financial structures
- Lifecycle of energy projects
- Importance of financing in project viability
- Case study: global energy funding patterns

Module 2: Financial Modeling & Analysis

- Building financial models in Excel
- Forecasting project cash flows
- Key financial indicators (IRR, NPV, DSCR)
- Scenario analysis and sensitivity testing
- Hands-on exercises

Module 3: Renewable Energy Project Financing

- Financing solar, wind, hydro, biomass projects
- Feed-in tariffs and PPAs
- Equity and debt instruments
- Role of multilateral agencies
- Investment trends in clean energy

Module 4: Risk Management in Energy Finance

- Identifying project risks (technical, market, policy)
- Financial risk mitigation techniques
- Political and regulatory risk tools
- Use of insurance and guarantees
- Risk allocation strategies

Module 5: Public-Private Partnerships (PPP)

- PPP models and contractual frameworks
- Legal and financial structures
- Revenue models and government incentives
- Risk-sharing in PPPs
- Case studies from emerging economies

Module 6: Climate Finance & Carbon Markets

- Introduction to green finance mechanisms
- Climate funding institutions and platforms
- Accessing carbon credits
- Emissions trading schemes
- Project eligibility and certification

Module 7: Institutional & International Funding Sources

- Role of World Bank, ADB, and regional banks
- Grants vs. concessional loans

- Accessing donor-funded programs
- Compliance and due diligence
- Funding proposal design

Module 8: Project Pitching & Investment Readiness

- Designing bankable proposals
- Crafting executive summaries and pitch decks
- Attracting institutional investors
- Communicating financial viability
- Real-world investment pitching workshop

Training Methodology:

- Interactive lectures
- case-based learning
- real-time financial modeling exercises
- expert webinars
- peer discussions
- project simulation

Register as a group from 3 participants for a Discount

Send us an email: info@fineskilltrainingcenter.org or call *+254769199797*

Certification

Upon successful completion of this training, participants will be issued with a globally- recognized certificate.

Tailor-Made Course

We also offer tailor-made courses based on your needs.

Key Notes

a. The participant must be conversant with English.

b. Upon completion of training the participant will be issued with an Authorized Training Certificate

c. Course duration is flexible and the contents can be modified to fit any number of days.

d. The course fee includes facilitation training materials, 2 coffee breaks, buffet lunch and A Certificate upon successful completion of Training.

e. One-year post-training support Consultation and Coaching provided after the course.

f. Payment should be done at least a week before commence of the training, to Fineskill Training Center account, as indicated in the invoice so as to enable us prepare better for you.

Upcoming Scheduled Sessions

Start Date	End Date	Location	Price
23 Nov 2026	27 Nov 2026	Online	$1,000
23 Nov 2026	27 Nov 2026	Physical	$1,500
23 Nov 2026	27 Nov 2026	Physical	$3,000
23 Nov 2026	27 Nov 2026	Physical	$3,000
23 Nov 2026	27 Nov 2026	Physical	$6,000
23 Nov 2026	27 Nov 2026	Physical	$4,500
23 Nov 2026	27 Nov 2026	Physical	$6,000
23 Nov 2026	27 Nov 2026	Physical	$6,000

Ready to enroll or request a customized program? Book online or contact us:

Register Online Now

Email: info@fineskilltrainingcenter.com | Website: www.fineskilltrainingcenter.com