Carbon Finance and Renewable Energy Training Course

Professional Development Training Course Outline

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

Course Introduction

Carbon Finance and Renewable Energy Training Course is designed to build expertise in climate finance, carbon markets, renewable energy investments, net-zero strategies, ESG sustainable development, and green economy transformation. As governments, corporations, and financial institutions accelerate their transition toward a low-carbon economy, professionals require advanced knowledge of carbon credits, emissions trading systems (ETS), climate risk management, renewable energy financing, and sustainable investment frameworks. This course equips participants with practical skills to evaluate carbon projects, structure green investments, develop renewable energy business models, and participate in emerging global climate finance opportunities.

Through interactive learning, industry case studies, and applied exercises, participants will explore the intersection of carbon markets, renewable energy technologies, climate policy, and financial innovation. The program integrates global best practices in carbon offset development, renewable energy project finance, climate adaptation funding, blended finance, green bonds, and sustainable infrastructure development. Participants will gain the ability to design solutions that support energy transition, decarbonization, climate resilience, and corporate net-zero commitments while creating measurable environmental and economic impact.

Programme Curriculum

Carbon Finance and Renewable Energy Training Course

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Course Objectives

1. Understand the fundamentals of carbon finance, carbon markets, and climate investment mechanisms.
2. Develop expertise in carbon credit generation, verification, certification, and trading systems.
3. Analyze global net-zero pathways and decarbonization strategies for organizations and industries.
4. Master renewable energy financing models including solar, wind, hydro, biomass, and energy storage projects.
5. Apply ESG investment principles and sustainable finance frameworks in business decision-making.
6. Evaluate carbon projects using financial modeling, risk assessment, and investment appraisal techniques.
7. Understand international climate frameworks including Paris Agreement mechanisms and climate policies.
8. Explore emerging opportunities in voluntary carbon markets and compliance carbon markets.
9. Develop skills in green bonds, climate funds, and blended finance instruments.
10. Learn methodologies for carbon accounting, greenhouse gas (GHG) measurement, and reporting.
11. Identify opportunities in renewable energy innovation and clean technology investments.
12. Build strategies for corporate sustainability, climate leadership, and energy transition planning.
13. Prepare professionals to contribute to the global green economy and climate action agenda.

Target Audience

1. Renewable energy professionals and clean technology specialists.
2. Finance professionals, investors, and banking executives.
3. Sustainability managers and ESG reporting professionals.
4. Government officials and climate policy professionals.
5. Environmental consultants and carbon market specialists.
6. Energy project developers and infrastructure professionals.
7. Corporate executives responsible for sustainability and net-zero strategies.
8. Entrepreneurs developing climate-tech and renewable energy solutions.

Course Modules

Module 1: Fundamentals of Carbon Finance and Climate Economy

- Introduction to carbon finance, carbon pricing, and climate economics.
- Global carbon markets and emissions trading systems (ETS).
- Role of carbon credits in achieving net-zero targets.
- Climate finance architecture and international funding mechanisms.
- Carbon finance opportunities in emerging markets.
- **Case Study: Kenya Renewable Energy Carbon Project**

Module 2: Carbon Markets, Carbon Credits and Trading Mechanisms

- Voluntary Carbon Markets (VCM) and compliance markets.
- Carbon credit lifecycle: project development to verification.
- Carbon standards including VCS, Gold Standard, and CDM mechanisms.
- Carbon offset pricing and market trends.
- Digital carbon markets and blockchain-based carbon tracking.
- **Case Study: Microsoft Carbon Reduction Strategy**

Module 3: Carbon Accounting, GHG Measurement and Reporting

- Greenhouse Gas Protocol principles.
- Scope 1, Scope 2, and Scope 3 emissions management.
- Carbon footprint assessment methodologies.
- Climate disclosure frameworks and reporting.
- Science-Based Targets (SBTi) implementation.
- **Case Study: Unilever Climate Reporting Framework**

Module 4: Renewable Energy Technologies and Market Opportunities

- Solar photovoltaic (PV) energy systems.
- Wind energy technologies and offshore renewable opportunities.
- Hydropower and sustainable biomass solutions.
- Battery storage and renewable energy integration.
- Global renewable energy market trends.
- **Case Study: India Solar Energy Expansion Program**

Module 5: Renewable Energy Project Finance and Investment Models

- Renewable energy financial structures.
- Project finance principles and investment evaluation.
- Power Purchase Agreements (PPAs).
- Risk management in renewable energy projects.
- Public-private partnerships and infrastructure financing.
- **Case Study: Morocco Noor Solar Complex**

Module 6: ESG, Sustainable Finance and Green Investments

- ESG principles and sustainable investment strategies.
- Green bonds and climate finance instruments.
- Sustainable banking and responsible investment.
- Climate risk assessment and financial resilience.
- Impact measurement and sustainability reporting.
- **Case Study: European Green Bond Market**

Module 7: Climate Innovation, Energy Transition and Emerging Technologies

- Clean technology innovation and climate entrepreneurship.
- Artificial Intelligence (AI) applications in energy management.
- Carbon capture, utilization, and storage (CCUS).
- Smart grids and digital energy systems.
- Hydrogen economy and future energy solutions.
- **Case Study: Green Hydrogen Projects in Europe**

Module 8: Developing Carbon Finance and Renewable Energy Business Strategies

- Designing climate investment proposals.
- Developing renewable energy business models.
- Creating carbon project development plans.
- Building corporate net-zero roadmaps.
- Future trends in climate finance and energy transition.
- **Case Study: Tesla Renewable Energy Ecosystem**

Training Methodology

- Interactive lectures and presentations.
- Group discussions and brainstorming sessions.
- Hands-on exercises using real-world datasets.
- Role-playing and scenario-based simulations.
- Analysis of case studies to bridge theory and practice.
- Peer-to-peer learning and networking.
- Expert-led Q&A sessions.
- Continuous feedback and personalized guidance.

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:

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