Renewable Hydrogen Policy and Regulation 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

Renewable Hydrogen Policy and Regulation Training Course provides a practical, policy-focused foundation for understanding the rapidly evolving regulatory landscape surrounding green hydrogen, renewable hydrogen, hydrogen derivatives, decarbonisation, energy transition, and clean-energy markets. As governments develop hydrogen strategies, certification systems, infrastructure rules, and market mechanisms, professionals need to understand how policy choices translate into project requirements, investment conditions, compliance obligations, and cross-border trade. Current regulatory developments increasingly emphasize lifecycle greenhouse-gas accounting, additionality, temporal and geographic correlation, traceability, certification, sustainability, standards, and verification.

The course combines policy analysis, regulatory frameworks, case studies, stakeholder perspectives, compliance exercises, and practical implementation tools to help participants evaluate renewable hydrogen projects across the value chain. Particular attention is given to emerging international approaches and African market development, including Kenya's Green Hydrogen and its Derivatives Guidelines, while comparing these with major international regulatory models. Kenya's framework addresses definitions, production procedures, certification-related requirements, and the development of codes and standards, making it a valuable regional case study.

Programme Curriculum

Renewable Hydrogen Policy and Regulation Training Course

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Course Objectives

By the end of the training, participants will be able to:

1. Understand renewable hydrogen policy frameworks and their role in energy transition.
2. Analyse green hydrogen legislation, regulation, and governance structures.
3. Interpret hydrogen certification, guarantees of origin, and traceability systems.
4. Apply lifecycle GHG emissions accounting and carbon-intensity principles.
5. Understand additionality, temporal correlation, and geographic correlation requirements.
6. Evaluate hydrogen standards, sustainability criteria, and verification mechanisms.
7. Assess regulatory requirements across the hydrogen value chain.
8. Examine hydrogen infrastructure, transportation, storage, and market regulation.
9. Analyse policy incentives, public procurement, investment frameworks, and market creation.
10. Evaluate cross-border hydrogen trade and international regulatory alignment.
11. Identify regulatory risks, compliance gaps, and policy uncertainty affecting projects.
12. Compare international approaches to green hydrogen certification and regulatory harmonisation.
13. Develop practical policy recommendations and regulatory implementation strategies for emerging hydrogen markets.

Target Audience

1. Energy policymakers and government officials
2. Energy and environmental regulators
3. Renewable hydrogen project developers
4. Utilities and energy companies
5. Investors, banks, DFIs, and infrastructure financiers
6. Legal, compliance, and regulatory professionals
7. Consultants, researchers, and academic institutions
8. Industry associations and sustainability professionals

Course Modules

Module 1: Renewable Hydrogen Policy Landscape

- Global **hydrogen strategies and policy trends**
- Green hydrogen versus low-carbon hydrogen frameworks
- **Energy transition and net-zero** policy drivers
- National hydrogen strategies and implementation roadmaps
- **Case Study: Kenya Green Hydrogen Strategy and regulatory framework**

Module 2: Hydrogen Legislation, Governance and Institutional Frameworks

- National **legal and regulatory architecture**
- Roles of ministries, regulators, standards bodies, and environmental authorities
- Licensing, permitting, approvals, and regulatory coordination
- **One-stop-shop** approaches for hydrogen projects
- **Case Study: Kenya's approach to developing hydrogen regulatory objectives, approvals, codes, and standards**

Module 3: Certification, Standards and Guarantees of Origin

- **Renewable hydrogen certification** principles
- Guarantees of origin and chain-of-custody systems
- **Traceability, verification, and digital certification**
- International standards and mutual recognition
- **Case Study: India's Green Hydrogen Certification Portal and certification framework**

Module 4: GHG Accounting and Renewable Hydrogen Eligibility

- **Lifecycle greenhouse-gas emissions** accounting
- Carbon-intensity thresholds and emissions methodologies
- **Additionality** requirements
- Temporal and geographic correlation
- **Case Study: EU RFNBO methodology and renewable hydrogen eligibility requirements**

Module 5: Hydrogen Markets, Infrastructure and Cross-Border Trade

- Hydrogen production, transportation, storage, and distribution regulation
- **Third-party access, unbundling, and network regulation**
- Hydrogen pipelines and infrastructure planning
- Cross-border trade and regulatory interoperability
- **Case Study: EU Hydrogen and Decarbonised Gas Market Package and emerging hydrogen network governance**

Module 6: Sustainability, ESG and Social Regulation

- **Environmental and social sustainability** requirements
- Water use, land use, biodiversity, and resource governance
- Local content and socioeconomic development
- Stakeholder engagement and community considerations
- **Case Study: Sustainability certification and the challenge of harmonising multiple hydrogen certification schemes**

Module 7: Policy Incentives, Investment and Regulatory Risk

- **Hydrogen subsidies, incentives, auctions, and demand creation**

- Public-private partnerships and investment frameworks
- Offtake agreements and market certainty
- Regulatory risk, compliance risk, and policy uncertainty
- **Case Study: How regulatory uncertainty and limited offtake can influence renewable hydrogen project development**

Module 8: Regulatory Compliance and Future Hydrogen Policy

- Building a **hydrogen regulatory compliance framework**
- Monitoring, reporting, verification, auditing, and enforcement
- International regulatory harmonisation and mutual recognition
- Emerging **clean hydrogen markets and policy scenarios**
- **Case Study: Global renewable hydrogen certification—comparing technical baselines, emissions thresholds, governance, and digital traceability**

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

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