Training Course on Strategic Planning in the Evolving Energy Landscape

Professional Development Training Course Outline

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

Course Introduction

In an era marked by rapid climate change, disruptive technologies, and shifting geopolitical alliances, strategic planning in the energy sector has never been more critical. The evolving energy landscape demands agile, innovative, and forward-looking strategies that not only ensure energy security but also drive sustainable development, decarbonization, and energy transition initiatives. Training Course on Strategic Planning in the Evolving Energy Landscape provides a robust framework for leaders, planners, and analysts to strategically navigate uncertainties in the global energy market, while aligning with renewable energy policies, net-zero goals, and emerging energy technologies.

Participants will gain the essential tools and insights needed to develop adaptive and resilient strategies in a volatile, uncertain, complex, and ambiguous (VUCA) environment. Through hands-on learning, real-world case studies, and interactive workshops, this program offers actionable approaches to energy risk management, policy formulation, and strategic foresight. Whether you are focused on grid modernization, energy investment strategy, or ESG compliance, this training is designed to empower decision-makers and technical experts alike.

Programme Curriculum

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Course Objectives

1. Understand the dynamics of the global energy transition and its strategic implications.
2. Evaluate the role of renewables, hydrogen, and energy storage in strategic planning.
3. Apply scenario planning techniques to forecast and adapt to future energy disruptions.
4. Analyze energy market trends and the impacts of geopolitical shifts.
5. Identify key decarbonization pathways aligned with international climate goals.
6. Build integrated plans considering grid resilience and distributed energy systems.
7. Explore regulatory compliance, carbon pricing, and evolving energy policies.
8. Utilize digital innovation (AI, IoT, blockchain) in energy strategy.
9. Create resilient strategies using risk assessment and mitigation frameworks.
10. Evaluate the role of public-private partnerships in sustainable energy growth.
11. Understand ESG (Environmental, Social, Governance) drivers in strategic decision-making.
12. Leverage investment intelligence for clean energy financing and project prioritization.
13. Develop leadership capabilities for managing energy transformation in real time.

Target Audience

1. Energy Planners and Policy Advisors
2. Utility Executives and Energy Managers
3. Environmental and Climate Officers
4. Corporate Strategy Professionals
5. Investment and Finance Analysts in Energy
6. Smart Grid and Renewable Energy Engineers
7. Regulators and Government Energy Officials
8. ESG and Sustainability Consultants

Course Duration: 5 days

Course Modules

Module 1: The Evolving Global Energy Landscape

- Overview of current global energy trends
- Energy geopolitics and regional supply/demand shifts
- Transition drivers: decarbonization, digitization, decentralization
- Impact of climate agreements on national energy strategies
- Emerging technologies reshaping the energy sector
- **Case Study:** EU's Fit for 55 and its impact on energy strategy

Module 2: Renewable Energy Integration and Strategy

- Solar, wind, hydro, geothermal – strategic value analysis
- Renewable intermittency and grid balancing techniques
- National renewable targets and global investment patterns
- Storage systems: batteries, hydrogen, pumped hydro
- Strategic planning for hybrid energy systems
- **Case Study:** India’s National Solar Mission and rural electrification

Module 3: Scenario Planning and Strategic Foresight

- Understanding VUCA and strategic uncertainty
- Designing robust and adaptive scenarios
- Energy system modeling tools and simulations
- Long-term energy demand forecasting
- Integrating sustainability and resilience into scenarios
- **Case Study:** Shell’s energy scenarios to 2050

Module 4: Energy Policy and Regulatory Frameworks

- Policy instruments: feed-in tariffs, carbon taxes, subsidies
- Impact of global accords: Paris Agreement, COP28 outcomes
- National energy roadmaps and transition strategies
- Policy risk assessment and mitigation
- Role of multilateral institutions in energy reform
- **Case Study:** Germany’s Energiewende policy framework

Module 5: Digital Transformation in Energy Strategy

- The role of AI and data analytics in energy planning
- IoT and smart grids for real-time decision-making
- Blockchain for energy transactions and traceability
- Digital twins and predictive maintenance
- Cybersecurity in critical energy infrastructure
- **Case Study:** How PG&E uses AI in grid resilience planning

Module 6: Risk Management in Energy Systems

- Strategic risk identification and classification
- Risk mitigation tools and energy insurance mechanisms

- Climate risks and physical asset vulnerability
- Supply chain and procurement risk in global markets
- Building adaptive capacity for critical infrastructure
- **Case Study:** Texas power grid failure during 2021 storm

Module 7: ESG and Sustainable Investment Strategy

- ESG metrics and reporting in the energy sector
- Integrating sustainability into strategic planning
- Green bonds, climate funds, and impact investing
- Corporate governance in energy organizations
- Transparency, accountability, and stakeholder trust
- **Case Study:** BlackRock's ESG energy portfolio transformation

Module 8: Leadership and Change Management in Energy Transition

- Leading transformational energy initiatives
- Stakeholder engagement and coalition building
- Change management strategies for public and private sectors
- Skills and competencies for energy leadership
- Institutional reform and capacity building
- **Case Study:** Leadership lessons from Denmark's energy transformation

Training Methodology

- Interactive lectures with expert energy strategists
- Hands-on group workshops using real-time data tools
- Simulation exercises for scenario planning
- Problem-solving through multi-sector case studies
- Peer networking and cross-sector collaboration sessions
- Post-training access to digital resource library and toolkits

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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