The Geopolitics of Renewable Energy Training Course

Professional Development Training Course Outline

Category	Political Science and International Relations	**Duration**	5 Days
Base Fee	$1,500 USD	**Delivery Mode**	Online / On-site Hybrid

Course Introduction

The **geopolitics of renewable energy** is a transformative field that explores the complex interplay between global politics, international relations, and the accelerating transition from fossil fuels to clean, sustainable power sources. The Geopolitics of Renewable Energy Training Course delves into how the shift to renewables is fundamentally reshaping traditional energy hierarchies, creating new dependencies, and introducing novel security challenges. It moves beyond the technical aspects of renewable energy to address the strategic implications for nations, corporations, and international organizations, providing a critical lens through which to understand the evolving global power landscape.

The rise of renewable energy is not just a technological or environmental phenomenon; it is a profound geopolitical shift. Traditional energy security, once defined by control over oil and gas reserves and their transit routes, is being redefined by access to critical minerals, manufacturing dominance in clean energy technologies, and the security of a global, interconnected grid. This training course is designed to equip professionals with the foresight to navigate this new era, offering the tools and knowledge to assess emerging risks and opportunities in **energy policy**, **resource management**, and **strategic decision-making**. By understanding the geopolitical forces at play, participants will be empowered to lead their organizations through the **global energy transition** with confidence and strategic clarity.

Programme Curriculum

The Geopolitics of Renewable Energy Training Course

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Course Duration

5 days

Course Objectives

- Analyze the historical and evolving concepts of energy security in the context of the global energy transition.
- Evaluate the geopolitical implications of shifting from a fossil fuel-based economy to one dominated by renewables.
- Examine the role of critical minerals and rare earth elements in renewable energy supply chains.
- Assess the geopolitical strategies of key global players like China, the European Union, and the United States in the renewable energy race.
- Interpret the impact of climate change policies and international agreements on energy politics and diplomacy.
- Understand the security risks associated with interconnected electricity grids and digital energy infrastructure.
- Analyze the economic and political challenges faced by traditional fossil fuel-exporting nations (petro-states).
- Evaluate the potential for renewable energy to foster energy independence and regional cooperation.
- Develop a framework for risk assessment in renewable energy investment and project development.
- Explore the intersection of renewable energy, technology, and cybersecurity.
- Examine the role of international organizations and non-state actors in shaping the renewable energy landscape.
- **Identify** new geopolitical hotspots and potential conflicts arising from the renewable energy transition.
- **Formulate** strategic recommendations for organizations to navigate the changing geopolitical and energy environments.

Organizational Benefits

- Equips leadership with the ability to anticipate and prepare for geopolitical shifts impacting energy markets and supply chains.
- Enhances the organization's capacity to identify, assess, and mitigate risks related to energy security, resource access, and political instability.

- Provides a deeper understanding of market dynamics, enabling better investment decisions and a stronger competitive position in the global renewable energy sector.
- Empowers organizations to contribute to and influence energy policy debates, both domestically and internationally.
- Fosters a culture of informed, data-driven decision-making regarding energy projects, resource sourcing, and international partnerships.

Target Audience

- Energy Sector Professionals
- Government and Public Policy Officials
- International Relations Specialists
- Financial and Investment Analysts
- Supply Chain and Procurement Managers
- National Security and Defense Analysts
- Environmental and Climate Change Advocates
- Business Development Executives

Course Outline

Module 1: Foundations of Energy Geopolitics

- The historical context of fossil fuel geopolitics and the concept of "petro-states."
- Defining the new geopolitical landscape shaped by renewables.
- The nexus between energy, power, and international relations.
- Understanding different energy transition pathways and their strategic implications.
- **Case Study:** The shift in power dynamics between traditional oil exporters (e.g., Saudi Arabia, Russia) and major renewable energy developers (e.g., China, Germany).

Module 2: The Geopolitics of Critical Minerals

- The vital role of materials like lithium, cobalt, and rare earth elements in clean energy technologies.
- Analysis of global mineral supply chains and their concentration in specific regions.
- The emergence of new resource competition and the potential for "green" resource curses.
- Assessing the strategic vulnerabilities of mineral-importing nations.
- **Case Study:** The geopolitical rivalry for lithium in Latin America and its impact on battery manufacturing and electric vehicle markets.

Module 3: Renewable Energy and Energy Security

- Redefining energy security in an era of decentralized, intermittent power sources.
- Examining the vulnerabilities of interconnected electricity grids and digital infrastructure to cyber threats.
- The potential for energy independence through domestic renewable resources.
- The strategic importance of energy storage technologies and smart grids.
- **Case Study:** The European Union's push for energy sovereignty in response to its dependence on Russian natural gas, focusing on the acceleration of solar and wind projects.

Module 4: Global Actors and the Renewable Energy Race

- The strategic approach of China as a dominant force in solar panel and battery manufacturing.
- The role of the United States and the EU's policies, such as the Inflation Reduction Act and the Green Deal, in shaping global competition.

- Emerging renewable energy powerhouses (e.g., India, Brazil) and their regional influence.
- The dynamics of technology transfer and intellectual property in the clean energy sector.
- **Case Study:** The US-China rivalry over green technology, including trade disputes and competition for influence in emerging markets.

Module 5: The Geopolitics of Climate Policy

- How international climate agreements (e.g., Paris Agreement) are reshaping national energy policies and international cooperation.
- The concept of "climate diplomacy" and its impact on trade and foreign relations.
- The role of carbon tariffs and other policy tools in influencing global energy flows.
- The geopolitical implications of climate-induced migration and resource scarcity.
- **Case Study:** The EU's Carbon Border Adjustment Mechanism (CBAM) and its potential to reconfigure global trade partnerships and manufacturing supply chains.

Module 6: Regional Geopolitical Hotspots

- The Arctic region's strategic importance as a hub for both fossil fuel and potential renewable energy development.
- The geopolitical implications of large-scale renewable projects in the Middle East and North Africa (MENA) and their potential to transform regional dynamics.
- Analyzing the role of renewable energy in sub-Saharan Africa's development and its geopolitical ties to global powers.
- The competition for strategic influence in the South China Sea, considering its vast offshore wind potential.
- **Case Study:** The ongoing geopolitical tensions in the Arctic as countries compete for access to new shipping routes and energy resources unveiled by melting ice.

Module 7: Non-State Actors and Future Geopolitics

- The rising influence of multinational corporations and sovereign wealth funds in the clean energy market.
- The impact of think tanks, NGOs, and civil society on energy policy and international discourse.
- The role of public opinion and social movements in accelerating or hindering the energy transition.
- Forecasting the future of energy geopolitics and identifying key trends.
- **Case Study:** The influence of international financial institutions and investment funds on large-scale renewable energy projects in developing nations, and the political conditions attached to this funding.

Module 8: Strategic Planning and Decision-Making

- A practical workshop on applying geopolitical analysis to real-world energy investment scenarios.
- Developing a strategic roadmap for organizational resilience in a volatile geopolitical environment.
- Simulations and role-playing exercises to practice negotiation and strategic planning.
- Creating a risk-matrix for a new international renewable energy project.
- **Case Study:** A comprehensive simulation of a major multinational corporation's decision to invest in a large-scale solar project in a politically volatile region, requiring participants to weigh geopolitical risks and opportunities.

Training Methodology

This course utilizes a **blended learning approach** to ensure deep engagement and practical skill development. The methodology includes:

- **Instructor-led lectures**: Expert-led sessions providing foundational knowledge and frameworks.
- **Interactive discussions**: Encouraging participants to share insights and challenge assumptions.
- **Real-world case studies**: In-depth analysis of actual events and projects to apply theoretical knowledge.
- **Scenario-based simulations**: Hands-on exercises to practice strategic decision-making in a controlled environment.
- **Guest speaker sessions**: Insights from leading industry experts and policymakers.
- **Collaborative group projects**: Fostering teamwork and diverse perspectives on complex challenges.

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

Start Date	End Date	Location	Price
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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