The Geopolitics of Energy Transition Training Course

Professional Development Training Course Outline

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

Course Introduction

The global energy landscape is undergoing a profound and unprecedented transformation. The **Geopolitics of Energy Transition** is the study of how this shift from a fossil-fuel-dominated system to one based on **clean energy** and **renewable sources** is reshaping international relations, power dynamics, and global security. This training course delves into the complex interplay between **climate change policy**, **energy security**, and **resource competition**, offering a critical lens to analyze emerging challenges and opportunities. As nations pivot toward **decarbonization** and **sustainable development**, traditional energy hierarchies are being dismantled, giving rise to new alliances and rivalries centered on **critical minerals**, advanced technologies, and **supply chain resilience**.

The Geopolitics of Energy Transition Training Course is meticulously designed to equip professionals with the foresight needed to navigate this new era. It moves beyond a purely technical understanding of energy systems to explore the strategic implications of **renewable energy deployment**, **energy independence**, and the evolving roles of key global players. By examining historical precedents and contemporary case studies, participants will gain a deep understanding of how **climate diplomacy**, **energy sovereignty**, and the pursuit of **net-zero targets** are redrawing the geopolitical map. The program provides the analytical tools to assess risks and identify opportunities in a world where energy, politics, and technology are inextricably linked, empowering leaders to make informed decisions that ensure **economic competitiveness** and **national security** in the age of energy transition.

Programme Curriculum

The Geopolitics of Energy Transition Training Course

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Course Duration

5 days

Course Objectives

1. Analyze the historical context of fossil fuel geopolitics and understand the drivers of the current energy transition.
2. Assess the geopolitical implications of a global shift from a hydrocarbon-based economy to one dominated by clean energy.
3. Evaluate the role of critical minerals and rare earth elements in renewable energy supply chains and the new dependencies they create.
4. Examine the evolving concepts of energy security in an era of decentralized and intermittent power sources.
5. Interpret the impact of climate change policies and international agreements on energy politics and diplomacy.
6. Deconstruct the strategies of key global players like China, the European Union, and the United States in the clean energy race.
7. Understand the economic challenges and political risks faced by traditional fossil fuel-exporting nations.
8. Explore the potential for renewable energy to foster energy independence and regional cooperation.
9. Identify new geopolitical hotspots and potential conflicts arising from the energy transition.
10. Analyze the intersection of renewable energy, technology innovation, and cybersecurity vulnerabilities.
11. Develop a framework for risk assessment in renewable energy investment and project development.
12. Master the analysis of climate-related security risks, including resource scarcity and climate-induced migration.
13. Anticipate the long-term changes to the international system and global power dynamics as the new energy order takes shape.

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 greater **organizational resilience** to external shocks and disruptions in the **global energy system**.

Target Audience

1. Energy Sector Professionals.
2. Government Officials.
3. Financial and Investment Professionals.
4. International Relations Specialists.
5. Supply Chain and Logistics Managers.
6. Journalists and Media Professionals.
7. Consultants and Advisors.
8. Academics and Students.

Course Modules

Module 1: Foundations of Energy Geopolitics

- Historical context: The age of fossil fuels and the rise of "petro-states."
- Defining key concepts.
- The drivers of the **energy transition**.
- Mapping the new **geopolitical landscape** of the 21st century.
- Case Study: The historical geopolitical role of the Middle East and its evolving position in a transitioning world.

Module 2: The New Resource Competition: Critical Minerals

- The strategic importance of **critical minerals** (lithium, cobalt, rare earths) for **clean energy technologies**.
- Analysis of global **supply chains**: concentration of production and processing.
- The rise of **resource nationalism** and the potential for "green resource curses."
- International efforts to secure supply, including the U.S. CHIPS Act and the EU Critical Raw Materials Act.
- Case Study: The scramble for lithium in South America and the strategic implications for global automakers and battery manufacturers.

Module 3: Global Power Plays in the Energy Transition

- The strategies of established powers.
- The role of emerging powers.
- The challenges for **fossil fuel-dependent nations**.
- The strategies of key consuming nations, such as India and Japan.

- Case Study: The U.S.-China rivalry over **clean energy technology** and the implications for global trade and innovation.

Module 4: Climate Change as a Geopolitical Multiplier

- Analyzing climate change as a **security threat**.
- The politics of **climate diplomacy**.
- The link between climate finance, technology transfer, and international cooperation.
- The role of non-state actors.
- Case Study: The impact of extreme weather events on national infrastructure and security in vulnerable regions, such as island nations or sub-Saharan Africa.

Module 5: The Evolving Dynamics of Energy Security

- Redefining **energy security** in a world of decentralized grids and intermittent power.
- Vulnerabilities of new energy infrastructure.
- The potential for **energy independence** through domestic **renewable energy** sources.
- The role of **energy efficiency** and electrification in reducing external dependencies.
- Case Study: The European Union?ÇÖs efforts to reduce reliance on Russian natural gas and accelerate its **energy transition** in the wake of geopolitical conflict.

Module 6: Regional Geopolitics and the Energy Transition

- The changing power dynamics in the Middle East and North Africa.
- Russia's strategic response to declining **fossil fuel** demand.
- The future of energy cooperation in Asia and the race for regional dominance.
- Latin America's potential as a **clean energy** powerhouse and critical mineral provider.
- Case Study: The "Green Corridor" initiatives in the European Union and the geopolitical challenges of integrating a super grid.

Module 7: Technology, Innovation, and Geopolitical Risk

- The geopolitical implications of hydrogen, nuclear, and carbon capture technologies.
- Analyzing the strategic importance of R&D and intellectual property in **clean energy**.
- The role of private sector innovation in shaping the **energy landscape**.
- Assessing the risks of technological fragmentation and the creation of competing standards.
- Case Study: The rise of South Korea and Japan as leaders in hydrogen technology and the implications for future energy trade.

Module 8: Strategic Planning and Future Scenarios

- Developing frameworks for **geopolitical risk analysis** in the energy sector.
- Evaluating different **energy transition** pathways and their strategic consequences.
- Conducting **scenario analysis** to prepare for future uncertainties.
- Strategies for building **resilient supply chains** and managing political risks.
- Case Study: A simulation exercise on a hypothetical geopolitical crisis sparked by a disruption in a **critical mineral supply chain**.

Training Methodology

This course employs a dynamic and interactive training methodology designed for maximum engagement and practical application. The approach combines:

- Instructor-led sessions.
- Real-world case studies.
- Scenario-based simulations.
- Interactive discussions and Q&A sessions.
- Reading materials and resources.

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

Start Date	End Date	Location	Price
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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