Energy Security and Geopolitics Training Course

Professional Development Training Course Outline

Category	Environmental Management and Conservation	**Duration**	10 Days
Base Fee	$3,000 USD	**Delivery Mode**	Online / On-site Hybrid

Course Introduction

In an era of unprecedented global transformation, the nexus of **energy security** and **geopolitics** has become a critical focal point for policymakers, industry leaders, and analysts. The global energy landscape is undergoing a dramatic shift, driven by factors such as the energy transition, escalating geopolitical tensions, and the rise of new energy powers. Energy Security and Geopolitics Training Course is meticulously designed to equip professionals with the strategic foresight and analytical tools necessary to navigate this complex environment. Participants will gain a comprehensive understanding of how resource-based power dynamics, economic interdependencies, and political conflicts shape the global energy order, enabling them to make informed decisions and formulate robust strategies for their organizations.

This course goes beyond traditional energy analysis by integrating **multidisciplinary insights** on contemporary crises, the geopolitical implications of the shift from fossil fuels to renewables, and the role of critical minerals in the new energy landscape. We will delve into real-world case studies and a wide range of scenarios, empowering you to critically assess and challenge existing policies and strategies. By exploring the interplay between energy markets, supply chain resilience, and national security, this program provides a holistic perspective on the challenges and opportunities facing the global energy sector, from the boardroom to the diplomatic arena.

Programme Curriculum

Energy Security and Geopolitics Training Course

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Course Duration

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Course Objectives

1. Understand the complex interplay between energy markets, supply and demand, and geopolitical factors in a rapidly evolving global context.
2. Evaluate and forecast geopolitical risks, including conflicts, sanctions, and political instability, on global energy supply chains and infrastructure.
3. Examine the geopolitical implications of the **clean energy transition**, including the rise of new energy powers and the decline of traditional hydrocarbon states.
4. Analyze the security and geopolitical challenges related to **critical minerals** essential for renewable energy technologies and battery storage.
5. Formulate effective strategies for enhancing **national and corporate energy security** in a volatile and interconnected world.
6. Grasp the concept of resource nationalism and its impact on international energy investments, contracts, and market stability.
7. Identify and assess the strategic importance of global energy chokepoints and transportation routes.
8. Explore the role of energy diplomacy and international cooperation frameworks in mitigating conflicts and fostering stable energy relations.
9. Investigate the historical and contemporary links between energy resources, scarcity, and regional or global conflicts.
10. Understand the growing threat of **cyberattacks** on critical energy infrastructure and develop strategies for enhancing **cybersecurity resilience**.
11. Analyze how technological innovations, such as **AI**, hydrogen, and small modular reactors (SMRs), are reshaping energy geopolitics.
12. Develop the ability to create and analyze future energy scenarios, anticipating shifts in policy, technology, and market dynamics.
13. Understand the profound link between climate change, environmental policies, and national security concerns.

Organizational Benefits

- Equip leadership and teams with the insights to make more informed and proactive decisions in the face of geopolitical uncertainty.
- Strengthen the organization's ability to identify, assess, and mitigate geopolitical and energy security risks, protecting assets and investments.
- Position the company at the forefront of the **energy transition** by understanding emerging market dynamics and seizing new opportunities.
- Develop a highly skilled workforce with specialized knowledge in **energy geopolitics**, **critical infrastructure**, and **global energy policy**.
- Enable better communication and collaboration with government agencies, international partners, and other key stakeholders.
- Build organizational resilience against external shocks, supply chain disruptions, and market volatility.

Target Audience

- Energy Sector Professionals.
- Government and Public Policy Officials.
- Financial and Investment Analysts.
- Defense and Security Analysts.
- Academics and Researchers.
- Infrastructure and Utilities Managers.
- Journalists and Media Professionals.
- Legal and Regulatory Experts.

Course Outline

Module 1: Foundations of Energy Security and Geopolitics

- Defining energy security: supply, affordability, sustainability.
- The historical evolution of energy as a geopolitical tool.
- Key theories of international relations applied to energy.
- The role of traditional and non-traditional energy actors.
- **Case Study:** The 1973 Oil Crisis and the formation of the International Energy Agency (IEA).

Module 2: The Geopolitics of Oil and Natural Gas

- Global distribution of hydrocarbon resources and major producing nations.
- The role of OPEC+, Russia, and the U.S. shale revolution.
- Strategic importance of pipelines vs. LNG trade.
- Market dynamics, price volatility, and their political consequences.
- **Case Study:** The Russia-Ukraine conflict and its impact on European gas security.

Module 3: The New Geopolitics of the Energy Transition

- The shift from resource abundance to technology and supply chain control.
- Mapping the new energy powers: China, the EU, and the U.S.
- The geopolitical implications of renewable energy technologies.
- The rise of energy independence and its effect on international relations.
- **Case Study:** The U.S.-China competition over solar panel supply chains.

Module 4: Critical Minerals and Strategic Supply Chains

- Why critical minerals are the new oil: lithium, cobalt, rare earths.

- Concentration of mineral extraction and processing in specific regions.
- Geopolitical risks of supply chain dependency and mineral scarcity.
- Strategies for supply chain diversification and mineral recycling.
- **Case Study:** The Democratic Republic of Congo and the global cobalt supply.

Module 5: Energy Infrastructure and Vulnerability

- Vulnerabilities of pipelines, power grids, and LNG terminals.
- The role of maritime chokepoints: Strait of Hormuz, Suez Canal, and Malacca.
- Threats from state-sponsored actors, terrorism, and natural disasters.
- Enhancing physical and digital security of energy assets.
- **Case Study:** The Nord Stream pipeline sabotage and its geopolitical repercussions.

Module 6: Energy and Regional Security

- The Middle East: persistent conflicts and the future of oil.
- Eurasia: the strategic chessboard of energy transport.
- The Arctic: competing claims for new energy resources.
- Africa: resource curse and new opportunities for energy development.
- **Case Study:** The South China Sea dispute and its implications for energy transport.

Module 7: Energy Diplomacy and Governance

- The role of international organizations: IEA, OPEC, G7.
- Bilateral and multilateral energy agreements.
- Energy-related sanctions and their effectiveness.
- The use of energy as a diplomatic tool and a weapon.
- **Case Study:** U.S. sanctions on Iran and Venezuela and their global market effects.

Module 8: Climate Change and Energy Security

- Climate change as a threat multiplier for instability and conflict.
- The geopolitical fallout of climate-related migration and resource scarcity.
- Navigating the security paradox of a fossil fuel-dependent world.
- Integrating climate resilience into national and corporate security strategies.
- **Case Study:** The increasing vulnerability of critical infrastructure to extreme weather events.

Module 9: The Future of Energy Technology and Geopolitics

- The rise of hydrogen, nuclear energy (SMRs), and carbon capture technologies.
- Technological competition and its role in shaping future energy landscapes.
- The impact of artificial intelligence and machine learning on energy grids.
- Geopolitical implications of a decentralized, smarter grid.
- **Case Study:** The race for dominance in hydrogen production and export.

Module 10: Cyber and Hybrid Warfare in the Energy Sector

- Understanding the threat landscape for critical energy infrastructure.
- Tactics of cyberattacks, from espionage to disruptive attacks.
- Protecting grids, pipelines, and data from malicious actors.
- Developing a comprehensive cyber resilience and response plan.
- **Case Study:** The Colonial Pipeline cyberattack and its national security implications.

Module 11: Financing and Investment in a Geopolitical Context

- Investment trends and risks in a world of energy transition.
- The role of sovereign wealth funds and international financial institutions.
- Evaluating geopolitical risk in energy project finance.
- The impact of ESG (Environmental, Social, Governance) on energy investments.
- **Case Study:** Financing challenges for major fossil fuel projects in a climate-conscious world.

Module 12: National Strategies for Energy Security

- Diversification of supply sources and energy mix.
- Building strategic reserves and emergency response plans.
- Promoting energy efficiency and demand-side management.
- The role of domestic production and self-sufficiency.
- **Case Study:** Germany's post-Ukraine War energy security strategy.

Module 13: Scenario Planning and Strategic Foresight

- Developing frameworks for long-term strategic analysis.
- Identifying key uncertainties and drivers of change.
- Constructing plausible future energy scenarios.
- Using scenarios to inform policy and business strategy.
- **Case Study:** A 2050 global energy landscape scenario with and without a fully integrated clean energy grid.

Module 14: Case Study Analysis and Group Simulation

- In-depth analysis of major geopolitical energy events.
- Interactive group simulation of a global energy crisis.
- Role-playing as key actors: governments, corporations, international bodies.
- Developing real-time response strategies and diplomatic solutions.
- **Case Study:** The geopolitical implications of a major energy infrastructure failure.

Module 15: Course Synthesis and Action Planning

- Synthesizing key learnings from all modules.
- Translating theoretical knowledge into practical action plans.
- Developing a personal or organizational roadmap for energy security.
- Final Q&A and networking session.
- **Case Study:** Creating an energy security policy brief for a national government.

Training Methodology

This course employs a dynamic and interactive training methodology to ensure maximum engagement and knowledge retention. It includes:

- Expert-Led Lectures.
- Interactive Workshops.
- Real-World Case Studies.
- Scenario Simulations.
- Q&A Sessions.
- Structured Reading Materials.

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	04 Dec 2026	Online	$2,000
23 Nov 2026	04 Dec 2026	Physical	$3,000
23 Nov 2026	04 Dec 2026	Physical	$6,000
23 Nov 2026	04 Dec 2026	Physical	$6,000
23 Nov 2026	04 Dec 2026	Physical	$12,000
23 Nov 2026	04 Dec 2026	Physical	$9,000
23 Nov 2026	04 Dec 2026	Physical	$12,000
23 Nov 2026	04 Dec 2026	Physical	$12,000

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