

## FROM FOSSIL TO RENEWABLE: ENERGY MIX OPTIMIZATION

<b>Start Date:</b>	19/10/2026	<b>End Date:</b>	23/10/2026
<b>Categories:</b>	Oil & Gas	<b>Venues:</b>	Amsterdam
<b>Formats:</b>	In Person	<b>Instructors:</b>	

### OVERVIEW

This course provides oil & gas leaders and energy planners with a framework for optimizing the energy mix in their operations and investments. It explores how to shift strategically from fossil fuels to renewables while maintaining energy security, efficiency, and profitability.

### OBJECTIVES

By the end of this course, participants will be able to:

- Analyze current and projected energy mix scenarios in oil & gas.
- Evaluate renewable energy options suitable for integration.
- Balance energy security, cost, and environmental impact in decision-making.
- Develop transition pathways to a more sustainable portfolio.
- Monitor and optimize performance of mixed energy systems.

### COURSE OUTLINE

1. Energy Mix Concepts and Assessment Tools
2. Renewables Integration Strategy in Fossil-dominated Systems
3. Financial, Regulatory, and Environmental Trade-offs
4. Case Studies: Global Energy Mix Transition Models
5. Planning Roadmaps for Optimized Energy Portfolios

### TARGET AUDIENCE

Energy transition planners, sustainability officers, and engineering professionals in oil & gas seeking to diversify their energy sources.

### METHODOLOGY

Scenario modeling, renewable integration planning, energy mix simulations, and global benchmarking.

### CONCLUSION

Participants will develop robust transition plans for optimizing energy portfolios by incorporating renewables while balancing performance, cost, and sustainability goals.

## DAILY AGENDA

### **Day 1: Current and Future Energy Mix Trends**

Assessing the global and regional outlook for fossil and renewable energy.

### **Day 2: Renewables Integration in Oil & Gas**

Strategies to incorporate solar, wind, and geothermal into operations.

### **Day 3: Regulatory and Economic Trade-offs**

Understanding the cost, ROI, and compliance impact of transitioning.

### **Day 4: Case Studies and Global Benchmarks**

Insights from successful global transitions and portfolio diversification.

### **Day 5: Energy Mix Transition Planning**

Developing practical roadmaps and KPIs for energy diversification.

*Page 2 of 3*

*For more information, please contact us:*

*Email: [info@gatewayconsulting.com](mailto:info@gatewayconsulting.com) | Phone: +96522968641*

*<https://gatewayconsulting.com>*