

FROM FOSSIL TO RENEWABLE: ENERGY MIX OPTIMIZATION

Start Date:	17/11/2025	End Date:	21/11/2025
Categories:	Oil & Gas	Venues:	Amsterdam
Formats:	In Person	Instructors:	

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.

For more information, please contact us:

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