

DECARBONIZING OPERATIONS: PRACTICAL PATHWAYS FOR OIL & GAS

Start Date:	19/10/2026	End Date:	23/10/2026
Categories:	Oil & Gas	Venues:	Milan
Formats:	In Person	Instructors:	

OVERVIEW

This program focuses on actionable strategies for reducing carbon emissions within oil & gas operations. Participants will gain practical knowledge on emissions auditing, low-carbon technologies, and process optimization to support net-zero goals.

OBJECTIVES

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

- Conduct carbon footprint assessments of upstream and downstream operations.
- Implement energy efficiency and emission reduction technologies.
- Integrate renewable energy into existing operations.
- Optimize flaring, venting, and fugitive emission controls.
- Report and monitor GHG emissions in line with international standards.

COURSE OUTLINE

1. Carbon Emissions in O&G: Sources and Auditing Methods
2. Energy Efficiency and Emission Reduction Technologies
3. Renewable Integration in O&G Infrastructure
4. Flare Gas Recovery, Leak Detection, and Mitigation
5. Regulatory Compliance and Carbon Reporting Frameworks

TARGET AUDIENCE

Operations managers, field engineers, HSE specialists, and energy transition task forces in oil & gas companies.

METHODOLOGY

Hands-on technical sessions, best practice benchmarking, real-time simulations, and guided planning templates.

CONCLUSION

Participants will return with actionable strategies and tools to audit, reduce, and monitor carbon emissions across operational environments.

DAILY AGENDA

Day 1: Carbon Auditing in O&G

Identifying and quantifying sources of GHG emissions across operations.

Day 2: Efficiency and Technology Solutions

Implementing equipment and process optimizations to reduce emissions.

Day 3: Renewables and Hybrid Models

Integrating solar, wind, and hybrid energy systems into existing facilities.

Day 4: Emissions Control and Monitoring

Techniques for flare gas recovery, leak detection, and methane control.

Day 5: Compliance and Reporting Standards

Aligning operations with international standards for emissions reporting and verification.

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