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METHANE EMISSIONS REDUCTION: MONITORING & CONTROL

Start Date:	22/12/2025	**End Date:**	26/12/2025
Categories:	Oil & Gas	**Venues:**	London
Formats:	In Person	**Instructors:**	

OVERVIEW

This course equips oil & gas professionals with the knowledge and tools needed to reduce methane emissions through advanced monitoring technologies and operational control strategies. It emphasizes detection, quantification, leak prevention, and compliance with international standards.

OBJECTIVES

By the end of this course, participants will be able to: • Understand the environmental and regulatory impact of methane emissions. • Identify major methane emission sources in oil & gas operations. • Apply monitoring technologies including LDAR, drones, and satellite-based systems. • Implement effective operational controls to reduce methane release. • Align methane reduction efforts with global frameworks and reporting requirements.

COURSE OUTLINE

1. Methane as a Climate Driver and Regulatory Focus 2. Source Identification in Upstream and Midstream Operations 3. Monitoring Technologies: LDAR, IR Cameras, Aerial and Satellite Tools 4. Leak Prevention, Repair, and Operational Control Methods 5. Reporting Standards and Methane Mitigation Strategies

TARGET AUDIENCE

HSE specialists, environmental engineers, asset integrity teams, and operations managers responsible for emissions compliance and control in oil & gas.

METHODOLOGY

Hands-on tech demos, emissions tracking simulations, case-based discussions, and regulatory briefings.

CONCLUSION

Participants will gain the technical insight and practical skills to detect, quantify, and reduce methane emissions across oil & gas facilities while meeting global compliance standards.

DAILY AGENDA

Day 1: Methane and Climate Regulation

Understanding methane’s climate impact, global targets, and policy mandates.

Day 2: Source Detection and Mapping

Identifying emission sources across production, transport, and processing.

Day 3: Advanced Monitoring Technologies

Using LDAR, infrared, drone, and satellite-based systems to detect leaks.

Day 4: Mitigation and Operational Controls

Deploying best practices to eliminate, capture, or reduce emissions.

Day 5: Compliance, Reporting, and Strategy Alignment

Meeting international standards and embedding methane reduction into business strategy.

For more information, please contact us:
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