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CCUS INFRASTRUCTURE AND INTEGRATION FOR OPERATIONS TEAMS

Start Date:	11/01/2027	**End Date:**	15/01/2027
Categories:	Oil & Gas	**Venues:**	Amsterdam
Formats:	In Person	**Instructors:**	

OVERVIEW

This course provides operations teams with a practical understanding of the infrastructure required for Carbon Capture, Utilization, and Storage (CCUS). It covers integration into existing facilities, system compatibility, monitoring protocols, and maintenance best practices.

OBJECTIVES

By the end of this course, participants will be able to: • Understand CCUS infrastructure components and integration principles. • Evaluate site readiness and facility compatibility for CCUS retrofits. • Support the deployment and commissioning of capture and injection systems. • Operate and maintain monitoring and control systems for CO_2 flow and storage integrity. • Collaborate with technical and engineering teams to ensure operational efficiency and compliance.

COURSE OUTLINE

1. CCUS Infrastructure Overview: Capture, Transport, Storage 2. Site Preparation and Retrofit Planning for Operations Teams 3. System Integration with Existing Oil & Gas Facilities 4. CO_2 Monitoring, Flow Management, and Leak Detection 5. Maintenance, Safety, and Operational Coordination

TARGET AUDIENCE

Operations supervisors, control room technicians, plant operators, and maintenance teams working in facilities adopting CCUS systems.

METHODOLOGY

Infrastructure walkthroughs, integration planning workshops, safety drills, and monitoring system exercises.

CONCLUSION

Participants will gain operational knowledge to support the safe and efficient implementation of CCUS systems across oil & gas infrastructure.

DAILY AGENDA

Day 1: CCUS Infrastructure Fundamentals

Introduction to components, technologies, and flows in CCUS infrastructure.

Day 2: Site Assessment and Retrofit Readiness

Assessing operational environments and preparing for CCUS integration.

Day 3: Systems Integration and Operations Interface

Practical steps for linking CCUS systems to existing plant control and processes.

Day 4: CO_2 Monitoring and Flow Management

Operating monitoring systems, flow metering, and leak detection tools.

Day 5: Safety, Maintenance, and Team Coordination

Establishing safe practices, maintenance protocols, and interdepartmental coordination.

For more information, please contact us:
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