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REFINERY SAFETY MANAGEMENT SYSTEMS (SMS)

Start Date:	25/01/2027	**End Date:**	29/01/2027
Categories:	Oil & Gas	**Venues:**	Amsterdam
Formats:	In Person	**Instructors:**	

OVERVIEW

This course provides in-depth knowledge and practical skills to design, implement, and manage Safety Management Systems (SMS) in refinery environments. It aligns with international safety standards and focuses on hazard identification, risk control, operational discipline, and continuous safety improvement.

OBJECTIVES

By the end of this course, participants will be able to: • Understand the components and structure of refinery safety management systems. • Identify process hazards and apply risk assessment tools. • Develop safety policies and standard operating procedures (SOPs). • Implement performance monitoring and continuous improvement mechanisms. • Ensure compliance with international safety regulations (e.g., OSHA, API RP 754).

COURSE OUTLINE

1. Foundations of Safety Management Systems in Refineries 2. Hazard Identification, Risk Assessment, and Process Safety 3. Safety Policies, Procedures, and Operational Discipline 4. Incident Investigation, Performance Metrics, and Safety Audits 5. Regulatory Compliance and Continuous Improvement Planning

TARGET AUDIENCE

Refinery safety officers, HSE professionals, plant managers, process engineers, and compliance teams responsible for implementing and managing safety systems.

METHODOLOGY

Interactive workshops, case study analysis, audit exercises, and SMS framework development sessions.

CONCLUSION

Participants will be prepared to lead and maintain robust safety management systems within refinery operations, ensuring regulatory compliance and minimizing safety incidents.

DAILY AGENDA

Day 1: Introduction to SMS and Regulatory Foundations

Structure of refinery SMS, compliance drivers, and safety culture principles.

Day 2: Hazard Analysis and Risk Assessment

Applying HAZOP, FMEA, and job safety analysis for refinery operations.

Day 3: Procedures and Operational Control

Developing and implementing SOPs, permit-to-work systems, and lockout/tagout.

Day 4: Incident Investigation and Safety Auditing

Root cause analysis, tracking safety KPIs, and conducting audits.

Day 5: Performance Management and Continuous Improvement

Reviewing metrics, employee engagement, and sustaining safety excellence.

For more information, please contact us:
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