

OIL AND GAS OPERATIONAL SAFETY

HSE007

COURSE DESCRIPTION

The Oil and Gas Operational Safety course is designed to provide comprehensive knowledge and practical skills for managing safety in the oil and gas industry. This course covers the essential aspects of health, safety, and environmental management, focusing on the unique challenges and hazards associated with oil and gas operations. Participants will gain insights into risk management, regulatory compliance, and the implementation of effective safety systems to ensure safe and efficient operations.

COURSE OBJECTIVES

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

- Understand the fundamental principles of health, safety, and environmental management in the oil and gas industry.
- Identify and assess common hazards and risks in oil and gas operations.
- Develop and implement effective safety management systems and emergency response plans.
- Understand the importance of regulatory compliance and industry standards.
- Apply best practices for maintaining a safe working environment in upstream, midstream, and downstream operations.
- Investigate incidents and implement preventive measures to avoid future occurrences.
- Promote a strong safety culture within their organizations.

WHO SHOULD ATTEND

- Safety managers, supervisors, and officers working in the oil and gas sector.
- Operational and maintenance personnel seeking to enhance their safety knowledge.
- HSE professionals looking to specialize in oil and gas safety.
- Engineers, project managers, and other technical staff involved in oil and gas projects.
- Individuals seeking a career in the oil and gas industry with a focus on safety.
- Contractors and subcontractors working in oil and gas operations.
- Government and regulatory agency representatives involved in the oversight of the oil and gas industry.

COURSE DURATION

5 Working Days

COURSE OUTLINES

- 1. Introduction to Oil and Gas Industry Safety**
 - Overview of the oil and gas industry
 - Key health, safety, and environmental issues
 - The role of safety in operational excellence
- 2. Health, Safety, and Environmental Management Systems (HSE MS)**
 - Elements of an HSE MS
 - Implementation and maintenance of HSE systems
 - Continuous improvement in HSE performance
- 3. Risk Management and Hazard Identification**
 - Risk assessment techniques
 - Identifying and evaluating hazards
 - Risk control measures
- 4. Regulatory Framework and Compliance**
 - Key international and local regulations
 - Compliance strategies
 - Industry standards and best practices
- 5. Operational Safety in Oil and Gas Activities**
 - Upstream, midstream, and downstream operations
 - Process safety and asset integrity
 - Contractor management and safety
- 6. Emergency Response and Incident Investigation**
 - Emergency planning and response
 - Incident investigation techniques
 - Root cause analysis and corrective actions
- 7. Promoting a Safety Culture**
 - Leadership and worker engagement
 - Safety communication and training
 - Continuous safety improvement and monitoring

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