

# Health, Safety, Environment (HSE) in Upstream Oil & Gas

## COURSE OVERVIEW

This course addresses the fundamental principles and critical practices of Health, Safety, and Environment (HSE) management specific to upstream oil and gas operations. It focuses on identifying, assessing, and mitigating the significant risks inherent in exploration, drilling, and production activities. The curriculum covers regulatory frameworks, process safety, and personal safety protocols, emphasizing the development of a robust safety culture to protect personnel, assets, and the environment. Participants will learn to implement effective HSE management systems and respond proactively to operational hazards.

## WHO SHOULD ATTEND?

This course is designed for HSE advisors, site managers, drilling and production engineers, operations supervisors, and maintenance leads. It is also critical for project managers, field operators, and any technical staff in upstream operations who are responsible for implementing or overseeing safety and environmental performance.

## COURSE OUTCOMES

Delegates will gain the skills and knowledge to:

- Identify major hazards in upstream operations and apply appropriate control measures.
- Understand and apply key process safety management (PSM) principles.
- Participate effectively in risk assessments, incident investigations, and safety audits.
- Develop and implement key components of an HSE Management System.
- Apply emergency response principles to upstream scenarios.
- Promote a proactive safety culture and effective safety leadership.
- Ensure compliance with relevant HSE regulations and industry standards.

## KEY COURSE HIGHLIGHTS

At the end of the course, you will understand;

- Process Safety fundamentals and Major Accident Hazard prevention.
- Hazard Identification techniques (e.g., HAZOP, JSA).
- Incident Investigation methodologies and root cause analysis.
- Environmental impact management and spill prevention.
- Occupational health hazards and personal protective equipment (PPE).
- Emergency response planning and crisis management.
- Safety leadership and building a positive safety culture.

All our courses are dual-certificate courses. At the end of the training, the delegates will receive two certificates.

1. A GTC end-of-course certificate
2. Continuing Professional Development (CPD) Certificate of completion with earned credits awarded