

# GULF INSTITUTE



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# Offshore Safety & Risk Management Systems

## INTRODUCTION

- Safety and Risk Management requires a twin approach of following the legislative standards and seizing the opportunities available in good risk management. Risk management is the identification assessment and prioritisation of risk and then monitor and control such risks. Offshore hazards include the hazards of vessel, working over water and diving operations. Safety Management is applicable in all companies whether by following an accredited Safety Management System or by purely following a Hazard Register with the appropriate Risk Assessments.
- Additionally, this Offshore Safety & Risk Management Systems training seminar will cover confined space entry and safe shift handover two areas that are continually the cause of incidents and loss.

This training seminar will feature:

- Risk Management
- Hazards of Vessels
- Safety Management Systems
- An Introduction to HAZOP
- Confined Space Entry

## OBJECTIVES

Participants attending this training seminar will:

- Understand the legal background to Offshore Safety
- Appreciate what risk management is about
- Hazards of Vessels & Working over Water
- Gain knowledge about the elements of a Safety Management system
- Evaluate hazardous material
- Understand the hazards of confined space entry

## TRAINING METHODOLOGY

- Participants will learn by active participation during this training seminar through the use of exercises, case studies and open discussion forums. Videos shown will encourage further discussions. The training seminar will be run using power point slides, copies of which will be distributed both in hard and soft format.

## ORGANISATIONAL IMPACT

- Be able to improve their present systems of work
- Apply new knowledge to improve safety performance
- Improve control and assessment of chemicals
- Have the capacity to increase profitability

## PERSONAL IMPACT

Delegates attending this training seminar will:

- Understand the legal background to Offshore Safety
- Appreciate what risk management is about
- Develop and apply safe systems of work for confined space entry
- Understand the basis of HAZOP studies and Inherently Safer Design

## WHO SHOULD ATTEND?

- All Supervisors and Line Management who have assigned responsibilities within the Safety Management System (SMS)
- Offshore Operations Personnel
- Offshore Maintenance Personnel
- HSE Personnel

## Course Outline

### Safety Legislation & Safety Management Systems

- Definitions
- Responsibilities
- Legislation
- Seveso III Directive & PSM 1910.119
- Off Shore EU Legislation
- Offshore Safety Case
- International Convention for the Prevention of Pollution from Ships (MARPOL)
- Safety of Life at Sea (SOLAS)
- Contractor Selection & Induction
- Safe Shift Handover

## Risk Management, Risk Assessments

- Types of Safety Management Systems
- Risk Management
- Risk Assessments
- Exercise
- Hazards of Vessels & Working over Water
- Offshore Diving Operations
- Work Permit Systems
- Management of Change

## HAZOP, ATEX & Emergency Response

- Introduction to HAZOP
- Element / Node Selection
- Process Parameters
- Exercise
- Inherent Safer Design
- ATEX Regulations
- Emergency Response

## Confined Space Entry & Gas Testing

- Confined Space Entry
- Cleaning
- Isolating
- Atmospheric Testing
- Training
- Exercise

## HAZMAT

- HAZMAT – Hazardous Materials
- Chemical Classification
- Safety Data Sheets
- Threshold Limit Values
- Offshore - some chemicals used
- Exercise
- Seminar Evaluation

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