



**Oil & Gas (E&P) Offshore Operations Risk Management
Module 2
PFE14**



**Oil & Gas
Consultancy Services & Technical Training Providers**

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Oil & Gas (E&P) Offshore Operations Risk Management (PFE14)

Module 2: (5 Days)

Content:

1. Offshore Installations (Asset) Integrity Management
 - Offshore Assets Listing: Mechanical Structures (Platform), Electricals & Instrumentation, Pipelines & Risers.
 - Mechanical Installations Ageing & Life Extensions
 - Asset Integrity Inspection
 - Corrosion & Corrosion Related Risks
 - Corrosion Management
2. Fire & Explosions Risk Assessment, Mitigation & Response
 - Ignition Sources:
 - Sparks (Mechanical & Static), Lighting, Flames, Hot Surfaces, Chemical Reactions, High Energy Radiation
 - Fire & Gas Detection Systems
 - Gas Dispersion & Ventilation
 - Pool Fires, Jet Fires, Flash Fires & Fire Balls
 - Prevention & Control of Fires in Offshore Installations
 - Hazard Assessment & Characterization of Outflow of Fluids Due to Loss of Containment (Including Discharge Rate & Exit Conditions)
 - Video Clip: 'Fire & Safe Work Permit'
3. Emergencies & Emergency Response Procedure in Offshore Oil & Gas Operations.
 - Underlying Courses of Emergencies
 - Workers Involvement & Engagement in HSE & Emergencies
 - Planned Interventions
 - Emergency Duties & Duty Holders' Responsibilities
4. Risk Regulations & Safety Standards for Offshore O&G Operations (UK & USA)
 - Offshore Operations Safety Culture Development & Maintenance
 - Offshore Oil & Gas Operations HSE Strategy in the UK North Sea.
 - UK O&G Offshore Operations Safety Indicators.
 - Offshore Operations HSE Inspection Optimization
 - USA Regulatory regime for Accident Prevention in O&G Offshore Operations
 - Challenges for the Implementation of Offshore Regulatory & Accident Prevention Standards

5. Oil Spill Risk & Response (Environmental Risks)
- Oil Type & Level of Risks with Spill (Heavy vs. Light Oil)
 - Oil Type & Level of Risks (Solubility, Toxicity)
 - Oil Spill Response Costs: Standard European Union Response Budget.
 - Oil Spill Damage Cost & Cost Estimation
 - Oil Spill Risk & Categories of Responses
 - Video Clip: 'Oil Spill Footage'

6. Case Studies:

Gulf of Mexico Mocando Fire, Explosion & Oil Spill

- Causes & Lessons.

Course Fee:

Module 2 £2,950 + VAT

Module 1 & 2 £5,250 + VAT

5 easy ways to
register or to
make an enquiry:

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