

Training Topic Details

1. Risk Management

- HAZID studies
- HAZOP studies,
- QRA studies
- Blast Overpressure detection
- Evacuation, Escape and Rescue Analysis (EERA)
- Emergency Systems Survivability Assessment (ESSA)
- Temporary Refuge (TR) Analysis
- Ship Collision Risk Analysis
- Dropped Objects Analysis
- Business and Project Risk consultancy

2. Health and Safety Management

- Safety Management Systems (SMS)
- Safety and Health Audits
- Interface between Operators Practising Different SMS Standards
- Development of HSE (Safety) Case
- Hot and Toxic Gas Dispersion
- Flare Radiation
- Noise Abatement
- Acoustically Induced Vibration (AIV)
- Health Risk Assessment (HRA)
- Emergency Response Planning (ERP)
- Change Management
- Verification of Engineering Design
- Fire Detection & Protection
- Emergency Procedures Modelling

3. Environmental Management

- Environmental Impact Assessments (EIA)
- Environmental Policy Development
- Environmental Monitoring & Auditing
- Environmental Management Plan (EMP)
- Environmental Site Assessments (ESA)
- Predictive Modelling
- Oil Spill Modelling

4. Training

- Development of Job Description
- Competence/Skills Assessment
- Hands-On Training/On-the-Job Training
- Principles and Application of HSE Management
- e-Learning

5. Human Factors

- Accident Investigation
- Ergonomics

6. Reliability, Availability, and Maintainability

- Failure Mode, Effects and Criticality Analysis (FMECA)
- Reliability Assessment of Instrumented Protection Systems
- Reliability Assessment of a High Integrity Protection Systems (HIPS);
- RAM assessment of the production plants on off-shore installations;
- RAM assessment of the on-shore plants;
- Safety Integrity Level (SIL) Assessment.
- Instrumented Protection Function (IPF) Assessment

7. Systems Performance and Validation

- Offshore topsides including Separation, Compression systems and Pumps;
- Fire Water System;
- Sea Water Systems;
- Water Injection System
- Crude and Condensate Processing Systems
- Fuel Gas Systems
- Shell and Tube Heat Exchanger System
- Flare or Vent System including Blowdown
- Glycol Systems
- Refrigeration System
- Steam Systems
- Single Phase Pipeline
- Flow Assurance / Multiphase Pipeline network
- Chemical Plants, Gas Processing Plants, Power Generation Plants etc.