



## Our Services in **OIL & GAS**

### PROCESS OPTIMIZATION

- DYNAMIC SIMULATION
- OPERATOR TRAINING  
SIMULATORS
- ENERGY AUDITS
- PERFORMANCE AUDITS
- FLOW ASSURANCE

### ASSET INTEGRITY MANAGEMENT

- RELIABILITY CENTRED MAINTENANCE (RCM)
- CONDITIONAL ASSESSMENT
- FAILURE MODES AND EFFECTS ANALYSIS (FMEA)
- RELIABILITY, AVAILABILITY AND MAINTAINABILITY (RAM) STUDY
- DESIGN REVIEW & VALIDATION
- INDEPENDENT VERIFICATION BODY

### RISK & SAFETY

- HAZARD IDENTIFICATION (HAZID)
- HAZARD AND OPERABILITY STUDY (HAZOP)
- SAFETY INTEGRITY LEVEL (SIL)
- QUANTITATIVE RISK ASSESSMENT (QRA) (INCLUDES CFD FOR EXPLOSIONS)
- ESCAPE, EVACUATION AND RESCUE ASSESSMENT (EERA)
- EMERGENCY SYSTEMS SURVIVABILITY ANALYSIS (ESSA)
- SIMULTANEOUS OPERATIONS (SIMOPS)
- ALARP DEMONSTRATION
- HSE CASE DEVELOPMENT
- THERMAL RADIATION STUDY
- GAS DISPERSION STUDY