

Oil & Gas Services

Safety, Risk & Integrity Management



INDUSTRY SPECIFIC SOLUTIONS

Each oil and gas sector faces its own unique challenges. From aging infrastructures to increasing safety, security, environmental and regulatory concerns, companies need flexibility to cope with the wide-ranging pressures on their operations in order to stay competitive.

Because ABS Group knows oil and gas, we do more than just address a specific issue – our solutions integrate into our clients' overall project delivery and production processes to minimize disruptions and maintain operations.

Software

Powerful, versatile and easy to use safety and risk analysis software includes:

- HazardReview LEADER™ – Integrate HAZOP, What-if, Checklist, FMEA, LOPA and other tools into a comprehensive PHA program.
- RootCause LEADER™ – Identify the root causes of any type of incident, event, accident, near miss, reliability problem, quality impact or business loss.
- THESIS – Analyze and manage business hazards and risks via a graphical display of the relationship between hazards, controls, risk reduction measures and business activities.

Training

Our range of training courses and webinars helps develop your staff's skills and knowledge. We offer both public training and customized courses on-site at your facility, including:

- Process Safety Management Compliance [100]
- Risk Based Process Safety [103]
- Process Hazard Analysis Leader [110]
- Root Cause Analysis and Incident Investigation [120]
- Reliability-Centered Maintenance [131]
- SEMS Compliance [30 CFR 250]



A FULL RANGE OF OIL & GAS SERVICES



From deepwater offshore platforms to onshore oil and gas production facilities, ABS Group can help you:

- Complete capital projects on-time, within budget and on-spec
- Oversee construction/fabrication across multiple locations
- Manage the delivery of assets from multiple EPCs
- Comply with increasing and evolving regulatory demands
- Minimize operational risk from various hazards
- Improve reliability in remote, high risk environments

Sustained Safety

We help develop management systems that support sustainable safety and business performance. From occupational safety and environmental protection to process safety management, ABS Group can help establish specific systems, programs and processes to manage and monitor activities that affect safety performance:

- Integrated HSE Management Systems Design and Development
- Safety Case Preparation
- SEMS [30 CFR 250] Implementation
- Incident Investigation
- Management of Change (MOC) System Design and Consulting
- Regulatory Compliance Audits
- HSE Metrics Development and Consulting
- Safety Culture Evaluation, Training and Organizational Change
- Conduct of Operations and Operating Discipline Consulting
- HSE Training Programs and Competence Assurance
- OSHA PSM Inspection Preparation
- Expert Witness Consulting



Whether your operations involve pipelines, tanks or terminals, ABS Group can support your need to:

- Comply with DOT, OSHA, EPA and DHS regulations
- Extend the working life of aging assets
- Maintain asset security and reliability
- Develop worker competency

Managed Risk

ABS Group has the risk expertise to help you design an overall risk management system or conduct a specific analysis. From quantitative and probabilistic software-based risk modeling to qualitative hazard assessment, our technical solutions encompass the full range of the risk spectrum:

- Hazard Identification and Evaluation (HAZID, HAZOP)
- Quantitative Risk Analysis (Man-Made and Natural Hazards)
- Risk Tolerance Criteria Development
- Security Threat Management
- Pipeline Hazard and Risk Analysis
- Fire, Blast and Dispersion Modeling
- Facility Siting Evaluation
- Blast Resistant Design and Construction Management
- Catastrophe Evacuation Modeling and Planning
- Combustible Dust and Reactive Chemical Hazard Analysis



**Regardless of where your process operations take place,
we can help you:**

- Identify and manage HSE and security risks
- Comply with HSE regulations
- Reduce production disruptions and loss of market
- Optimize operations due to economic pressures and tight margins
- Develop strategies to cope with aging infrastructures and workforces
- Manage organizational change

Optimized Integrity

A team of industry-leading engineers can assist you so that your integrity management programs support asset performance and deliver measurable results. Our services help our clients extend asset service life and overall reliability through inspection, auditing and overall quality assurance:

- Project Quality Management
- Project Supervision
- Independent Engineer and Owner's Representation
- Engineering Review, Design Verification and Certification
- Project and Documentation Management
- Merger and Acquisition Due Diligence
- Reliability and Maintenance Management
- In-Service Inspection and Planning Services
- Risk-Based and Reliability-Centered Maintenance
- Third-Party Inspection

* Classification-related services provided by ABS



ABS Group's global footprint allows us to respond to client requests with the right people in the right place at the right time.

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