Global Offshore Services

ABS Group: a wholly owned subsidiary of ABS

ABS Group Regions

ABS Group Services

• 1,700 employees
• Global Presence
  • Onshore Oil & Gas
  • Chemical
  • Manufacturing
  • Power
  • Government
  • Transportation

ABS Group Offshore

• 700 employees
• Global Presence
  • Offshore Oil & Gas
Asset Integrity Management

- Structural
- Mechanical & Machinery
- Control System
Structural Integrity Management

- Program development
  - Prescriptive
  - Risk-based

- Execution
  - In-serve inspection
  - Data management
  - Anomaly identification & tracking

- Analysis
  - Anomaly resolution
  - Weight control
  - Stability analysis
  - Life extension
Mechanical Integrity

Planning
- Criticality assessments
- Planning & Scheduling
- Spare Parts Program

Execution Phase
- Preventative Maintenance
- Predictive Maintenance
- Reliability Optimization
Control System Integrity

- Software quality engineering
- Software verification & validation
- Cybersecurity
Methodology

Assessment
Utility Driven
Rapid
Low Cost
Comprehensive

Benchmark
Transparent
Simple
Intuitive

Implement
Assessment driven
ROI Based
Progress tracking
Benchmarking

Performance Measures

- Reactive
  - Defer
- Planned
  - Schedule
- Predictive
  - Predict
- Reliability
  - Eliminate Defects
- Enterprise
  - Integrate

Soft Savings

Additional Impact
Focus:

• Maximizing production uptime, while reducing operating costs

Approach

• Risk/criticality based
• Utilizes condition-based & predictive methodology versus time based
• Leverages planning & scheduling efficiencies
• Addresses software & control risks including cybersecurity vulnerabilities

Aligns with ABS classification process
Asset Integrity Management Examples

Structural Integrity

Mechanical & Machinery Systems

Control Systems