

OFFSHORE ASSET INTEGRITY MANAGEMENT

“Operational inefficiencies such as equipment failures and unplanned downtime result in a major loss of revenue for the owners and operators of offshore assets. The use of less intrusive, risk and criticality based, inspection and predictive maintenance programs coupled with supply chain efficiencies can significantly reduce these costs.” – Oil Major Executive

ABS Advanced Solutions is committed to improving your reliability, efficiency and profitability while driving safe, responsible, compliant operations. Rather than using an intrusive time-based maintenance and inspection regime, our Asset Integrity Management (AIM) program offers risk and reliability solutions that focus on production uptime improvement and OPEX cost reduction.

ABS Advanced Solutions has proven experience partnering with our clients serving both their corporate locations and operational units globally. Using an ROI-focused methodology that has been applied successfully across multiple organizations, our offshore team will strive to be your preferred partner to enhance your operational performance.

THE ASSET INTEGRITY MANAGEMENT PROGRAM

A robust Asset Integrity Management (AIM) Program covers the complete enterprise, incorporating the collection, analysis and interpretation of condition and performance data.



The comprehensive AIM framework addresses:

- People
- Processes
- Systems
- Technology
- Governance structure

By understanding the true condition of the asset, sound management decisions can be made, driving reliability, efficiency and profitability. ABS Advanced Solutions can assist in identification and steps to optimize uptime on these assets in the following areas:

Structural Integrity

Activities to address the integrity of key structural elements:

- In-service inspection
- Risk-based inspection
- Data management
- Anomaly identification, tracking and resolution
- Life extension
- Weight control
- Stability analysis

Mechanical and Machinery Integrity

Activities to address the integrity of mechanical and machinery system components:

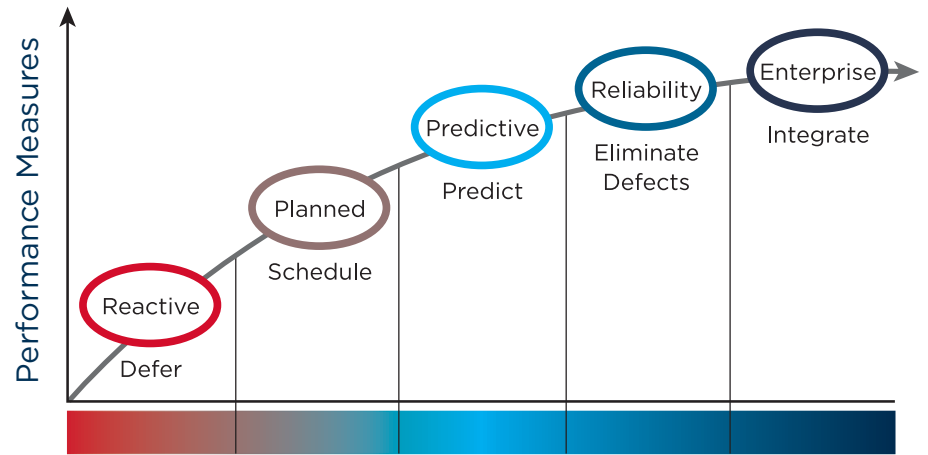
- Reliability engineering
- Preventive maintenance optimization
- Predictive maintenance
- Spare parts program
- Planning and scheduling

Control System Integrity

Activities to address the integrity of software and control systems:

- Drilling control systems
- Process control systems
- Vessel management systems
- Dynamic positioning systems

MAINTENANCE MATURITY CONTINUUM



Maintenance Journey

Focused on production uptime improvement and operating cost reduction.



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