



Asset Integrity Management (AIM) Services

Staying Fit for the Purpose over the entire Lifecycle.

BUSINESS CHALLENGE

The management of physical assets – selection, maintenance, inspection and renewal – plays a key role in determining the operational performance, safety and profitability of your industry.

Deterioration processes such as fatigue cracks and corrosion can always be present to some degree. The challenge to management is to ensure that the integrity of engineered systems – for instance, offshore structures, process plants, pipelines and process systems – is maintained throughout the anticipated service life.

The objectives of an Asset Integrity Management (AIM) system are the delivery of business requirements, maximizing return on assets whilst maintaining stakeholder value and minimizing business risks associated with accidents and loss of production.

Asset Integrity is the ability of an asset to perform its required function effectively and efficiently whilst safeguarding life and the environment. The related management activities ensure that the people, systems, processes and resources, which deliver integrity, are in place, in use and fit for purpose over the whole lifecycle of the asset.

SOLUTION

Bureau Veritas has years of experience in overcoming challenges for onshore & offshore facilities, fixed & floating structures, subsea, FPSOs, refineries, gas distributions units, chemical plants & fertilizer units. We provide following services

- Plant structure, equipment, associated facilities health survey, condition assessment.
- Risk Based Inspection (RBI), Fitness for Service (FFS) study & Residual Life Analysis (RLA)
- Pipeline Integrity Management Services (PIMS)
- Structural Integrity Management Services (SIMS)
- Corrosion Studies
- Training for Asset Integrity and operational safety.

RELATED SERVICES

- Full range of NDT services
- Environmental Assessment and Monitoring Services
- Risk, Safety Services and Reliability Services

What are the key benefits?

Asset Integrity Management ensures that the assets stay fit for purpose – safe and operational – under all circumstances. Asset integrity management delivers:

- Improvement in plant performance
- Safety improvement & Reliability improvement
- Optimization of maintenance and inspection activities to meet safety and business targets.
- Timely risk identification, monitoring & mitigation
- Reduction in number of shutdowns & shutdown duration
- Cost benefit analysis for repair versus replacement
- Assistance in achieving compliance to statutory regulations

WHY CHOOSE BUREAU VERITAS?

Recognition Founded in 1828, Bureau Veritas is a world leader specializing in conformity assessment services related to Quality, Health, and Safety & Environment (QHSE). Certified to ISO 9001 for all of its activities globally, Bureau Veritas is well known for its ability to adapt to changing client environments and situations and for its commitment to providing leading solutions through quality service.

Knowledge & Expertise Through expert local teams and technical knowledge, Bureau Veritas are able to deliver packaged and targeted solutions and information, to support our clients' unique business requirements.

Network With a global network of over 900 locations in more than 140 countries, Bureau Veritas provides tailored solutions to clients throughout the world across a diverse range of industries.

Bureau Veritas has significant experience in AIM in all parts of the world for leading oil and gas operators, Owners and EPC consultants:

- Risk Based Inspection strategy implementation
 - In-service inspection with conventional and advanced Non Destructive Testing (NDT) Techniques
 - Condition-based Maintenance including optimization studies.
 - Pipeline Integrity Management services for ensuring availability & reliability of pipelines
 - Engineering Critical Assessment for analysis of Crack like flaws
- The Bureau Veritas global network provides unparalleled access to specialist AIM services.

CLIENT REFERENCE

- GAIL for OPEX services - FFS & RLA of two Gas Compressor Stations, ICDA/ECDA, Pipeline Risk Assessment
- CRL Terminals (VOPAK), TOTAL Lubricants, SHELL – Storage Tank NDT & Inspection as per API 653
- HPCL, RIL – NDT & FFS of Piping.
- L&T – Corrosion studies for Abu Dhabi International Airport Expansion Project and Saudi Midyan Gas Processing Facilities

OUR APPROACH

We provide NDT as well analysis services under one umbrella. Dedicated software, which are user friendly in nature are designed to work with client IT infrastructure. This is backed by BV global network of industry experts & their experience in the field of Asset Integrity Management. Our dedicated team of AIM engineers mean we deliver an industry leading turnaround time and competitive pricing; helping you to maintain your facilities working safely for the intended service

Bureau Veritas carries out an initial review to understand the key issues, which may include aspects of regulation, governance, and implementation of process and information management.

This is followed by a 4-stage process:

Management frameworks – Define performance standards, develop strategies for inspection, maintenance and audit

Risk assessment – Identify the integrity-critical plant elements and their modes of failure. Determine inspection programs and scopes of work

Information – Undertake inspections, NDT and surveys to determine equipment condition

Reporting and follow-up – Live status reports, interpretation and feedback.

Bureau Veritas will develop and implement Risk-based Inspection / corrosion-management programs, other AIM studies and provide qualified inspectors and carry out investigations of incidents to identify and remedy root causes of failure.

FAQ

When the prices of the resource were low, we cut expenditures on all operating costs. Now that it is at a premium, we need to return to maximum productivity. Can you deliver a productivity service?

Yes. The power of AIM can be targeted at any feature required by the client, so we can offer maximum plant availability for your production chain, highlighting various associated costs.

CONTACT

For details about this service, please contact

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