



Tank Integrity Services

An engineering-led approach to tank asset management that satisfies both business drivers and legislative requirements

Benefits

- Eliminate or minimise downtime
- Understand & decrease risk
- Enhance safety and extend tank life
- Meet insurance and regulatory requirements
- Reduce operational and maintenance costs
- Optimise inspection spend

ALS Asset Care offers the oil & gas, bulk storage, petroleum, mineral processing, chemical processing, water and mining industries comprehensive support in determining tank integrity.

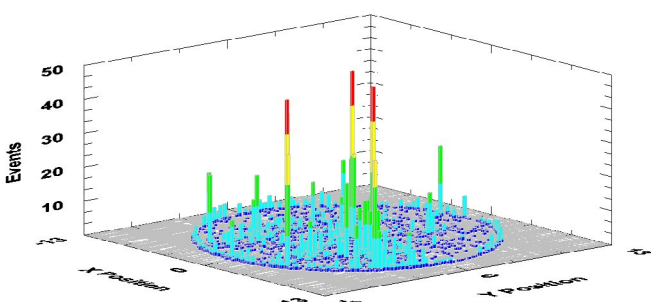
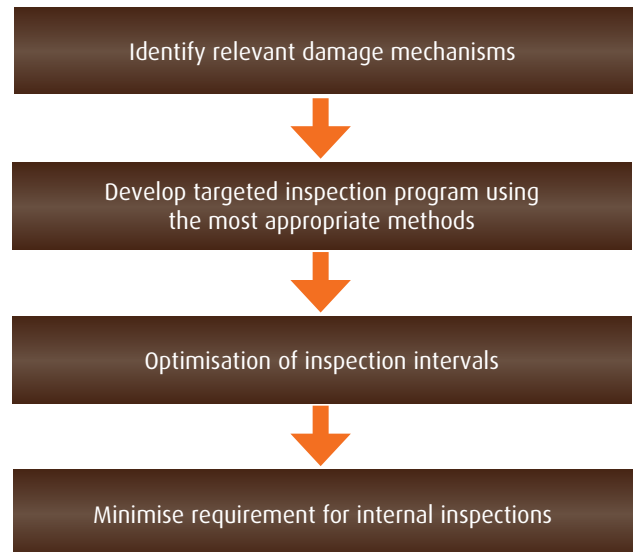
The ALS approach...

is to work in collaboration with our clients to determine the frequency and scope of major inspection programs. We bring to the partnership experience and expertise in integrity and life assessment of tanks operating under a variety of conditions.

A significant economic advantage can be obtained by applying risk-based prioritisation strategies to establish the most effective methods for scheduling and performing maintenance activities.

A risk based inspection program can be developed to assist plant management meet business drivers of high reliability and low-cost operation.

The ALS process:



ALS Asset Care offers our clients comprehensive tank integrity management services to deliver efficient inspection programs that effectively evaluate tank condition.

Engineering Consulting and Support

- Determination of scope for repairs and alterations
- Defect tolerance & fitness-for-service assessments in accordance with relevant code
- Remaining life assessments
- Materials consulting and testing
- Development of future repair and maintenance programs

Risk Based Inspection (RBI)

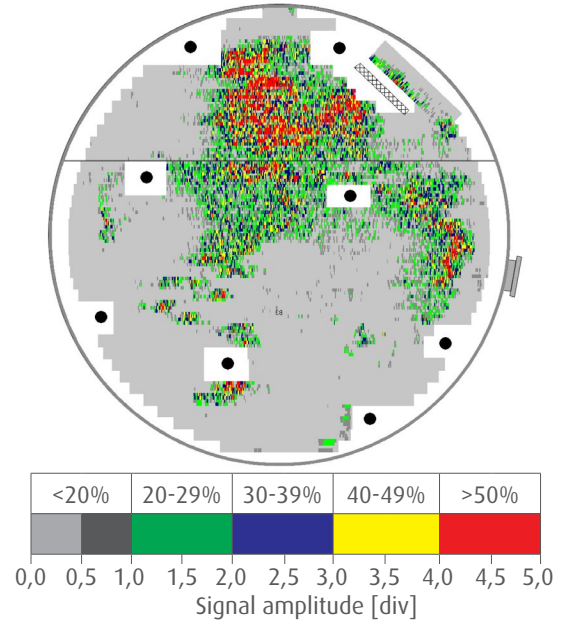
The **Risk Management** methodology combines an analysis of both the **likelihood of failure** and the **consequence of failure** to establish priorities for inspection and maintenance programs. This incorporates many different elements, including an auditable process which identifies likelihood and consequence of failure and assessment of fitness for purpose.

The result of RBI is a prioritised list of equipment, ordered according to risk. This key information provides a clear insight into whether the overall risk is driven by the likelihood or consequence of failure.

ALS have extensive experience with tank assessment and inspection. Our personnel don't just run the numbers - we utilise understanding of plant condition to verify the assessment results. This understanding is an essential part of any risk management plan.

Risk reduction is a key objective for plant operators. Modification of the inspection and testing program may provide better risk management, assisting in reducing the risk of catastrophic failures occurring.

SLOFEC™ Floor Plan
Underside-Differential



In-Service Inspection

API 653 inspection support for statutory compliance in accordance with relevant standards.

Testing and Inspection Services

ALS offers a comprehensive suite of testing and inspection techniques ensuring the most effective inspection solution. Services include conventional NDT methods, SLOFEC™, MFL, acoustic emission, TOFD, rope access, corrosion mapping and API inspections for statutory compliance.



Contact us for more information

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