

Asset Integrity Management

Pressure Parts – Inspection, Integrity & Welding Support



OVERVIEW

We provide a comprehensive service in Asset Integrity Management (AIM) for pressure systems, delivering risk-based programmes to focus inspections where they are most needed, to mitigate regulatory, process safety, environmental and commercial risks.

AT A GLANCE

TÜV Rheinland is a leading provider of technical services worldwide. Our Risktec AIM team has over 25 years of experience in providing **inspection, integrity assessment and welding guidance** for pressure parts in the power and oil sectors. Our people are client-focussed, quality-driven, industry experts with a practical, common sense approach. In summary, we support our clients by:

Managing the integrity of pressure systems to:

- ensure compliance;
- identify and resolve potential sources of unplanned unavailability;
- optimise the use of inspection opportunities and the client's resources.

Supporting the delivery of planned outages / turnarounds and breakdowns through:

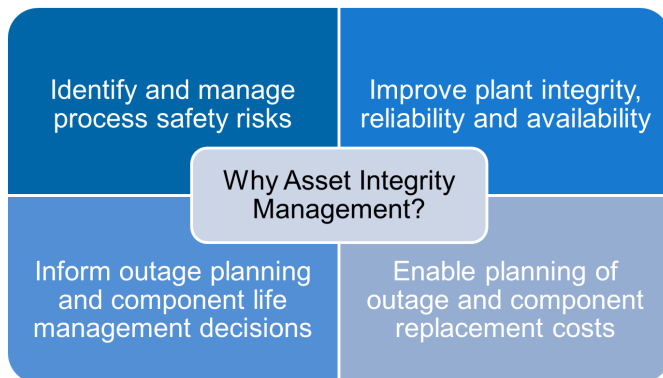
- the coordination of the inspection scope and third party contractors;
- non-destructive testing (NDT);
- visual examinations;
- integrity assessment;
- component life management;
- weld repair advice;
- out-of-hours support.



Our comprehensive services are designed to offer our clients flexibility, enabling them to maximise their ability to respond to ever-changing market conditions.

OUTAGE / TURNAROUND STRATEGY FLEXIBILITY

- Extension of inspection periodicity
- Postponements of Examinations
- 'Limited Certificate' inspection workscopes
- Phasing of statutory examinations
- Tailored inspection workscopes to suit client operational requirements



BREAKDOWN AND INCIDENT SUPPORT

- Out-of-hours inspection, integrity advice and repair support
- Metallurgical condition assessment
- Failure investigation
- Plant data analysis
- Identification of emergent risks

WELDING INTEGRITY

- Weld repair solutions, specialising in service-degraded steels (including Grade 91)
- Welding guidance, including review of third party welding procedures
- Welding Inspector services, e.g. review of welder qualifications, heat treatment requirements, etc



INSPECTION AND ASSESSMENT

- NDT, including specialist techniques
- Visual examinations
- On-site metallurgical replication, material composition and hardness testing
- Materials testing
- Component life assessment and life extension
- Plant modification and design review support

WHY RISKTEC?

- Impartial, independent advice
- Tailored approach to suit individual client's objectives, operational requirements and planning timescales
- Industry-specific NDT techniques to detect and characterise defects
- Coordination of inspections to ensure planned downtime is optimised
- Prompt reporting, designed to meet the specific needs of the client and their Competent Person
- Novel weld repair solutions for service-degraded steels, including Grade 91
- Out of hours support and rapid response, including for breakdowns

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