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

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

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

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