

TECHNICAL SPECIFICATION

Wall Thickness Monitoring – Intrusive Probes

Stork has over 30 years' experience in the delivery of Corrosion Monitoring solutions to the global Oil & Gas industry.

Our dedicated team of live line retrieval specialists service intrusive monitoring devices under operational conditions. We can support and monitor both mechanical and hydraulic fittings and have developed an innovative procedure to allow us to convert fittings on live lines. As a multi-service provider, we can install and service devices from a range of leading manufacturers.

Stork's intrusive monitoring solutions capability is divided into Real-Time Monitoring services and Offline Monitoring services:



Real-Time Monitoring – Online Logging Devices

- Erosion Probes – Provide erosion rates instantly. These are essential for ensuring maximised well production.
- Electrical Resistance Probe – General corrosion is detected by logging the resistance of an element exposed to process media over time. Ideal for all process conditions up to 120°C.
- HSER – An ER probe with a high sensitivity element. It can be installed in any process media and is ideally suited for short term projects.
- Linear Polarisation Probe – Provides instantaneous corrosion rates in aqueous conditions. It is ideal for water injection or high water content lines.
- Galvanic Probe – Detects small volumes of oxygen in water injection lines by calculating galvanic potential between a steel and brass element.
- Bio Probes – A coupon designed to check bio film deposits on steel surfaces.

Offline Monitoring – Traditional Devices

- Corrosion Coupons – A sample of metal which matches the monitored spool is measured and chemically weighed before being exposed to the process media. The sample is then cleaned and chemically weighed after removal. Additional microbial and scale analysis services are also available.

Stork has a strong track record in safety across all of these services. Our Monitoring Solutions team has achieved 20 years without an LTI, whilst operating globally for a wide range of operators on and offshore. We have also implemented an OPITO accredited competency structure.