

TECHNICAL SPECIFICATION

Non-Destructive Testing and Inspection

Stork has a proven track record of more than 15 years in the field of conventional non-destructive testing (NDT). Our experience has been gained cross-industry and includes chemical, oil and gas, power and utilities.

We provide a complete service, including state-of-the-art equipment and highly trained technicians and plant inspectors. We support our customers through local teams who together comprise a strong international structure and we routinely operate in challenging environments, both onshore and offshore. Key to our success is being able to work to tight deadlines efficiently, delivering a quality service that puts safety first.

Services offered include:

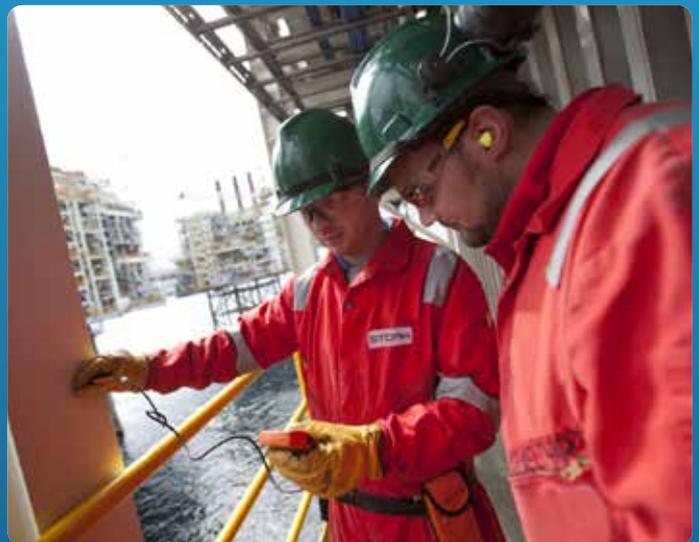
- Visual Inspection and Metrology
- Magnetic Particle Inspection
- Dye Penetrant Inspection
- Ultrasonic Testing (UT)
- Eddy Current (EC) Inspection
- Radiography (X-ray and Gamma)
- PMI Testing and Holiday Testing

Advanced inspection

Stork offers additional operational techniques and leading technology to enhance our extensive conventional NDT service. Through our advanced inspection capability, we provide a next-level technical solution for accurate and repeatable detection of manufacturing and in-service defects.

Our service is backed by a skilled engineering team and our in-house research and development capability. This gives our customers additional support when regular approaches have proved impractical for meeting their inspection challenges and underpins our strategy of being an industry partner committed to delivering the best solutions:

- Rope access NDT and inspection
- Automated ultrasonic scanning
- Time-Of-Flight-Diffraction (TOFD) and phased array techniques
- UT and EC tube inspection
- Magnetic Flux Leakage (MFL) tank floor inspection
- Long-range UT inspection
- Subsea inspection



Remotely deployed inspection

We approach each project by applying the best technical solution and methodology. The NDT instrument is integrated into a remotely-deployed scanning tool or traction device, which can be controlled to deliver a live data feed for online interpretation. Stork can supply both off-the-shelf and bespoke tooling packages; supported by our extensive experience of field operations and a range of complementary services.

Our turnkey packages include high-pressure water cleaning for surface preparation, pressure testing, debris recovery, messenger wire insertion, ovality and gauge plating.

Applications include:

- Internal inspection of pump caissons
- Risers and J-Tubes
- Riser caisson bundles
- Internal voids, utility shafts, fuel ballast lines
- Topside pipework, bundles, through module and deck level
- Fiscal metering and prover loop; vessel and ESDV enclosure
- Drilling package and wellhead equipment and storage tanks and spheres

Subsea inspection

Stork has an established capability in subsea inspection and NDT, built over 15 years and embracing numerous challenges and industry firsts. Our subsea corrosion mapping tools are capable of performing 360 degree x 500 mm axial scans internally or externally of pipework ranging from 4" to 36" in depths of up to 300m.

Once clamped in place by a Diver or ROV, the mapping tool is powered via its own or shared umbilical. Wall thickness measurements are acquired in real time to allow immediate analysis, while full data capture allows further detailed offline analysis and quantification.

Technology solutions include: pipeline and flowline wall thickness mapping; precision scanning (5x5-1x1 mm); flexible riser inspection; TOFD weld inspection; subsea jacket and structures; internal inspection of un-piggable lines, diver and ROV-deployable combined.

Integrated project management

Stork has extensive experience of delivering both large and smaller-scale inspection projects; our aim is always to exceed client expectations.

Each project is subject to rigorous quality procedures to ensure effective control, planning and efficiency as part of our drive for operational excellence. Scopes of work have included all onshore and offshore pressure system facilities, structures and pipelines, among them several projects.

Stork deliver technical excellence to each of the following standards and accreditations:

- ISO 17020 Type A and C certified
- PCN and ASNT level certification
- BINDT, IRATA, IMarEST, DNV, Lloyd's Association

