



**STORK**

*A Fluor Company*

# INSPECTION & NON-DESTRUCTIVE TESTING



Stork delivers experienced and efficient Inspection and NDT solutions; as a tailored package or a standalone service.

[WWW.STORK.COM](http://WWW.STORK.COM)



# INSPECTION & NON-DESTRUCTIVE TESTING (NDT)

Stork has a proven track record of more than 20 years' in the field of offshore Inspection and Non-Destructive Testing (NDT). We provide a complete Inspection service including managing Inspection programmes as well as conventional and advanced NDT services, supporting assets at all stages of the asset life cycle.

With extensive experience of delivering both large and small scale Inspection and NDT projects, Stork provides comprehensive support and a complete range of Inspection and NDT services for all types of assets including fixed platforms, drilling rigs and FPSO's. Stork has gained a reputation for providing clients with bespoke solutions for challenging Inspection and NDT worksopes and we always put safety first. Using state-of-the art equipment, highly trained and multi-skilled technicians and inspectors, qualified to PCN & SNT Level, Stork deliver quality and reliable Inspection and NDT services to assure asset integrity.

## OFFSHORE INSPECTION & NDT SOLUTIONS

Stork offers world class Inspection and NDT offshore techniques. We provide fully competent, rope access trained personnel and equipment to meet clients' offshore Inspection and NDT requirements, either as a standalone service or as part of a fully integrated package. Stork delivers offshore Inspection and NDT solutions on hook-up's and new installation projects, in-service Inspections and decommissioning worksopes. We take the time to fully understand every clients' requirements.

## GLOBAL SERVICE WITH A LOCAL PRESENCE



Stork's experience ensures we provide consultation on the best applicable methods, adding value and encouraging efficient use of resources, while making sure we deliver to the highest competence and safety standards. Our offshore NDT capability includes the following:

- Visual Inspection
- External Close Visual Inspection and NDT measurements by RAT
- Magnetic Particle Inspection
- Dye Penetrant Inspection
- Radiography (Digital, Computed and Conventional)
- Ultrasonics
- Eddy Current Inspection
- Silverwing
- Phased Array Inspection (weldments and corrosion mapping)
- Time of Flight Diffraction
- IRIS (Internal Rotary Inspection System)
- Remote Field Eddy Current
- Pulsed Eddy Current Testing
- Magnetic Flux leakage Testing
- Positive Material Identification using an XRF Analyser.





## CAISSON INSPECTION

As an expert provider of Caisson Inspection services, Stork supports clients to prevent caisson failure by detecting early signs of possible defects and our expert field engineers deliver sound reports, detailing the remedial work required. By pro-actively delivering internal Caisson Inspection services, Stork provides an accurate picture of caisson integrity, avoiding potential loss of structural integrity.

We are a market leader of topside, splash zone and subsea caisson and riser inspections, committed to innovation and finding solutions for challenging inspection problems. Our service includes the following in-house capabilities:

- Internal Remote Visual Inspection
- Internal Caisson Cleaning / High Pressure Water Jet Cleaning
- Ultrasonic Wall Thickness Mapping (dry and subsea sections)
- 3D Laser Mapping
- Ex and Non Ex-rated cameras including high definition
- Project Management of caisson repairs/replacement using internal Inspection techniques.



## DRILLING INSPECTION

Stork is also a leading provider of Inspection services to the Drilling industry. We deliver fully managed Inspection programmes throughout the asset lifecycle including, lifting equipment surveys and dropped objects surveys to support the sector in overcoming integrity challenges. Our Drilling Inspection solutions can also be delivered via rope access methods and include the following services:

- We are accredited by ABS to conduct Hull thickness Surveys to Class requirements
- Derrick Inspections (API 4G)
- Lifting Equipment Surveys (SI2307)
- DROPS ( Dropped Object Survey )
- Drilling Equipment (To API Standards)
- Visual Inspection
- Magnetic Particle Inspection
- Radiography
- Ultrasonics
- Eddy Current Inspection.

## TRAINING, COMPETENCY & ACCREDITATIONS

- UKCAS Type C
- BS EN ISO 9001
- 14001 and BS OSHAS 18001
- BS EN ISO 17020
- ABS Hull Thickness Survey
- Lifting Equipment Engineers Association (LEEA)
- OPITO Approved Competency System
- We are active members and participants of IRATA, HOIS and BINDT.

Our training and competency programmes ensure that our technicians are fully trained, certificated and that they exhibit the correct behavioural and safety leadership at all times. Stork currently has in excess of 350 NDT Technicians delivering conventional, advanced and specialist NDT, utilising the latest equipment and techniques.



## ASSESS, INSPECT & REPAIR (AIR)

Combining Integrity, Inspection, Operations and Maintenance teams to deliver safe and efficient value added services, this approach is termed; Assess, Inspect & Repair (AIR), which brings together a strong focus on delivering effective integrated contracts combining:

- Assess: Integrity management and engineering
- Inspect: Non-Destructive Testing, advanced and specialist Inspection services
- Repair: Fabric Maintenance services including composite and structural repairs.

AIR is an innovative movement in Integrity management, stepping away from the traditional Assessment, Inspection and Repair services being provided by multiple service providers. The concept, developed and released over the last three years is now progressing further with a 'find & fix' multi-skilled team dynamic offshore and the next step in its development, the introduction of new technologies geared towards data driven maintenance.

### Benefits:

- Accredited combination in accordance with ISO/IEC 17020: UKAS Type: C
- Improvement in the transfer of multi- disciplinary technical knowledge
- Reduces administrative support requirements
- A single interface ensuring consistent delivery
- Rapid mitigation of issues highlighted.

## INTEGRITY CORRECTIVE ACTION TEAMS (ICATS)

Stork, through its strong capability in Integrity assurance, Inspection and Fabric Maintenance provides clients with a framework and process in which a mixed multi-skilled team could be brought together to identify, prepare, execute and close out anomalies in line with agreed client boundaries and procedures; essentially a find and fix method.

This process 'Integrity Corrective Action Team' (ICAT), has been endorsed both on and offshore and has the capability to be introduced as part of an ongoing Inspection regime, or a standalone campaign targeting susceptible features/Inspection backlog.

ICATs efficiently enhances traditional approaches; reducing man-power and bed space requirements, as well as the overall project management process.

# REACH BEYOND ZERO OUR VALUE DRIVEN APPROACH TO HSEQ

Stork is dedicated to being recognised as an industry leader in HSEQ; by our employees, clients and industry peers. REACH Beyond Zero, our value driven HSEQ engagement programme, will help us to achieve this goal.

REACH Beyond Zero is our HSEQ vision to engage all Stork employees to challenge themselves to think and do more to improve our HSEQ culture and performance. As an organisation we REACH Beyond Zero by functioning as one team with shared values, driving action to transform our HSEQ culture and performance.

Safety is our core value and we are committed to translating our HSEQ ethos into sustainable and effective operations. REACH Beyond Zero communicates on Environmental and Quality issues in addition to Health and Safety, ensuring it is fully encompassing employee-led programme.

[WWW.STORK.COM/REACHBEYONDZERO](http://WWW.STORK.COM/REACHBEYONDZERO)

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