



# NORGE VIRKSOMHETEN

## STORK

Norfolk House  
Pitmedden Road  
Dyce  
Aberdeen AB21 0DP  
UK

Tel: +44 (0)1224 722888  
Fax: +44 (0)1224 723406

Van Deventerlaan 121  
3528 AG, Utrecht  
The Netherlands

Tel: +31 (0)88 08 91 000  
Fax: +31 (0)30 666 4733

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

**STORK**

*A Fluor Company*

ASSET INTEGRITY PARTNER

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# NORWAY OPERATIONS

WE HAVE GROWN OUR BUSINESS IN LINE WITH KEY AREAS OF ENERGY EXPLORATION AND PRODUCTION, ENSURING THAT WE ARE BEST PLACED TO SUPPORT THE GLOBAL OIL & GAS INDUSTRIES AT A LOCAL LEVEL.



# ASSET INTEGRITY PARTNER

# DELIVERING EXPERTISE

As experts in maintenance, modifications and asset integrity services, Stork supports clients to optimise production and improve asset efficiency in the Norwegian sector. From Stavanger, Stork optimises performance by maintaining, repairing and modifying assets. Delivering a wide range of services including: Machining & Bolting, Subsea Tooling & Hydraulic Equipment, Caisson & Drilling Inspection, Heat Treatment, Third Party Vendor Inspection, Monitoring Solutions, Cathodic Protection and Composite Repair.

Our wider integrated capabilities and award winning innovations are supported from our Aberdeen base and with over 40 years' experience delivering solutions throughout the lifecycle, we are the Asset Integrity Partner of choice.

### Safety

Safety is always our first priority. A commitment to safety underpins all our activities worldwide, engaging with our employees to provide safe working environments at all times. We care for the safety of our clients and our employees.

### Excellence

We are committed to excellence. What we do is rarely easy and achieving the best outcome often requires expertise to unravel complexity and exploring new ways of thinking.

### Responsiveness

Committed to respond rapidly to the operational needs of our clients worldwide. We are flexible, proactive and provide smart solutions for the long term, whilst continually seeking to improve our service.

### Sustainability

We commit to using our resources efficiently and minimise waste. We have the skills, knowledge and experience necessary to help our clients reduce environmental emissions and increase their energy efficiency.

### Machining & Bolting

Stork manages the entire joint integrity process, from inspection through to assembly, testing and completion. We ensure reliable safe operations with fully integrated onsite machining, bolting and leak repair services including:

- Specialist bolting equipment, hydraulic torquing and tensioning
- Subsea specialist cutting equipment & ancillaries
- Hot and cold tapping (under pressure drilling)
- Line boring and drilling
- Hot Bolt Clamp and Hot Bolting Services
- iBolt flange integrity management software
- Flange facing, grooving, milling and hub re-machining
- Pipe cutting, prepping, bevelling, grinding and lapping

### Subsea Tooling & Hydraulic Equipment

Our subsea bolt tensioning and hydraulic equipment services offer clients full project management solutions from tool selection, bolt load calculations, diver training and the option of hiring associated hydraulic equipment. This approach allows Stork to manage the whole subsea bolt tensioning package, removing multiple interfaces for our clients and providing one focal point for all technical solutions. Stork is renowned for supplying an extensive range of hydraulic tooling that is maintained and calibrated by a dedicated team and now available from Stavanger.

### Third Party Vendor Inspection

Stork is a highly experienced international provider of inspection, expediting and quality assurance services to the Oil & Gas industry. Our Quality Assurance System and procedures control our global quality inspection operators, which is independently accredited to BS EN ISO 9001 by Lloyds. Core services include:

- Integrated project management
- Third-party vendor inspection (all disciplines)
- Expediting
- Vendor auditing
- Welding engineering
- Full-time site inspection (all disciplines)
- Lay-barge and Pipemill inspection

### Heat Treatment

Stork Cooperheat's rich heritage has allowed us to develop a range of heat treatment solutions capable of meeting harsh operating environments. Our highly established reputation in thermal technology combined with our global footprint, make Stork Cooperheat the world's largest heat treatment company. Our portfolio includes:

- Electrical and Combustion Heat Treatment
- Heat Treatment and Furnace Equipment
- Refractory Dry Outs
- Heat Treatment Consultancy & Training
- Customised Heat Treatment Solutions

### Monitoring Solutions

With over 30 years' experience, Stork deliver a range of traditional and advanced techniques for monitoring the rate of corrosion, erosion, stress, temperature, strain or intrusion on pipelines both on and offshore. Our monitoring solutions capability is divided into three service offerings:

- Corrosion Monitoring
- Strain Monitoring
- Intrusion Monitoring

As an expert provider of a comprehensive range of monitoring technologies, Stork install and service systems produced by all leading manufacturers. With a dedicated team of specialists and a global track record, we are the ideal partner to support your assets' monitoring solutions requirements. Working in over 20 countries worldwide, in 2015, Stork's Monitoring Solutions team reached an impressive 20 years' Lost Time Incident (LTI) Free safety achievement.

Using state of the art technology and experienced technicians, we are uniquely positioned to safely and efficiently support our clients on and offshore.

### Caisson & Drilling Inspection

As a market leader in the provision of remote caisson inspection services, we pride ourselves in listening to our clients to provide complete tailored inspection solutions for challenging industry problems. Services include:

- Remote Visual Inspection
- Ultrasonic Wall Thickness Mapping
- 3D Laser Profiling
- High Pressure Water / Jet Cleaning
- Ovality Checks
- Caisson Repair & Replacement Project Management

In addition, Stork's combined drilling inspection teams are approved by all of major classification agencies to provide inspection services on all mobile offshore drilling units, platforms, FPSOs and ships. We specialise in:

- Drill Tool, Bottom Hole Assembly Equipment and Top Drive Inspections
- Structural Inspection Services including SPS and UWILD
- Hull Gauging and Ultrasonic Thickness Measurement
- Derrick Inspections to API standards
- Conventional Non Destructive Testing
- Magnetic Particle and Dye Penetrant Inspection

### TRACK RECORD

With more than 40 years' industry experience and knowledge, Stork has an unrivaled proven track record in supporting clients to protect the integrity of their assets on and offshore, topsides and subsea. Our safe, innovative and environmentally focused approach minimises downtime through integrated repair, turnaround, modifications and maintenance activities.

In recent years, within the Norwegian sector, Stork has been working with a number of major operators and secured a five year contract which will see Stork deliver a range of Fabric Maintenance services to Statoil. In 2015, Stork also commenced two 3-year Frame Agreements with Technip and Bibby Offshore providing the following services in the Norway sector:

- Subsea Tooling Hire
- Hydraulic Equipment Hire
- Bolt Tensioning
- Associated Subsea Services
- Subsea Mechanical Training
- Environmental & Decontamination Services

### Cathodic Protection

Stork provides a complete package of cathodic protection (CP) services and technology. The advanced design process aligned with our quality equipment, allows extremely accurate control of the system, eliminating corrosion, reducing costs and ultimately protecting your investment.

Our services combine knowledge, expertise and experience to provide optimum solutions, assuring external corrosion protection of assets and infrastructure. Among a range of applications are:

- Life extension of offshore structures and pipelines
- Bespoke designs for FPSO
- Retrofit systems
- Monitoring of CP status and performance
- High accuracy electric field sensors
- CP system verification
- CP modelling

By offering engineering, we are able to carry out analysis, auditing, troubleshooting, design and modelling to fulfil the most complex and demanding jobs worldwide, where a thorough understanding of cathodic protection is required.

### Composite Repair

With ageing infrastructure in the North Sea, maintaining asset integrity is a challenge. Stork's composite repair solutions offer a proactive and safe approach which benefit our clients; significantly reducing costs and risk as well as optimising asset performance.

Stork offers a wide range of products specifically designed to provide flexible, efficient and cost-effective repairs to piping and infrastructure. Stork PowerSleeve and Stork AquaWrap are used to restore structures and vessels from internal and external wall loss. We also deliver custom pipe repair solutions including stainless steel clamps, bossed pipe service saddles, under-pressure tees and mini/snap clamps.

All calculations for pressure containment and structural integrity are carried out in-house by Stork's corrosion specialists; offering flexible bespoke composite repair solutions within short lead times. Stork can offer a one-stop-shop approach to bespoke pipe repair solutions, eliminating the need for multiple contractors.

# DEDICATED TO SAFETY

Stork is fully committed to being recognised as a world leader in HSEQ and to help us achieve this goal, we have REACH Beyond Zero.

REACH Beyond Zero is our HSEQ vision, to activate and 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.

The REACH Beyond Zero vision is our catalyst to impact thinking, provide direction and to stimulate action for positive and lasting change at Stork. We embed HSEQ values throughout Stork and five key behaviours are shared for everyone to demonstrate. This serves as a platform for self-reflection and discussion which also improves HSEQ engagement and communication. Our REACH Beyond Zero value driven behaviours are:

**Visibility - Authenticity - Leadership - Understanding - Engagement**



### ADDING VALUE

With a wide range of integrated services, an unrivalled safety track record, multi-skilled teams and the best use of innovation and technology, we add value by delivering the following benefits to our clients:

- Improving safety
- Reducing emissions
- Improving continuity
- Extending asset lifetime
- Increasing efficiency
- Maximising return on investment
- Optimising asset performance
- Reducing risk
- Minimising downtime

We are uniquely positioned to support oil and gas operators throughout the asset lifecycle. From design, hook-up, construction and commissioning through to maintenance and operations, shutdowns and decommissioning, Stork ensure value is added at every stage of an assets life.

For more information visit the REACH Beyond Zero website: [www.stork.com/REACHBeyondZero](http://www.stork.com/REACHBeyondZero)



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