INTEGRATED MAINTENANCE, REPAIR & OVERHAUL SERVICES FOR ROTATING EQUIPMENT.
WE KEEP YOUR ROTORS TURNING

STORK IS A LEADING INDEPENDENT SERVICE PROVIDER DEDICATED TO IMPROVING ASSET INTEGRITY THROUGHOUT THE ASSET LIFE-CYCLE IN THE OIL & GAS, CHEMICAL, POWER AND OTHER MAJOR INDUSTRIES.

We deliver knowledge-based asset integrity through safe, innovative and cost-effective solutions. We offer a wide range of seamless solutions and specialist services across all areas of asset management and maintenance. Through these services we aim to maximise operability and maintainability, while reducing operating costs and improving your (environmental) performance. We make the difference by Thinking and Doing: defining a solution that works for you and taking the responsibility for delivering it. Worldwide.

We understand the challenges you face. With our complete turbo machinery services we guarantee short reaction times and fast project turnaround. We believe integrated solutions deliver economies of scale, flexibility of response and innovation in thinking. They minimise interruptions and downtime. They cut the number of suppliers you need, with all the associated administration that requires. And they lead to safer working practices and environments.

Safety is our No. 1 priority. REACH is the platform on which we build and communicate our safety culture. It helps us to deliver complex projects to the highest safety standards, without compromising quality.

The power of Stork
- OEM quality at competitive pricing
- Thinking and Doing
- In-depth technical knowledge and skills
- Multibrand MRO services
- Long Term Service Agreements
- Proven working and quality standards (ISO, API etc.)
- Proven track record
- Award-winning safety programme

Stork locations for turbo machinery services.

www.stork.com
How we add value

One contact person. One responsible party for total control and insight. That’s Stork.

We deliver MRO services combined with (de-)commissioning support for a smooth overhaul process. From inspection and analysis to repair, rebalancing, calibration and validation. All works are carried out under the supervision of the responsible project manager who works closely with our specialists throughout the overhaul, delivering quality and manufacturing plans, and – not least – complete documentation of the work delivered on completion.

Today smarter solutions are needed to get equipment back into operation quickly. Instead of just waiting for original spare parts to be delivered and installed, we re-engineer virtually all compressor and steam turbine parts, minimising spare parts costs and significantly reducing delivery lead-times. For this purpose we are using cutting-edge 3D measuring equipment and laser scanners, which are connected to advanced design software (CAE/CAD/CAM).

We maintain/service:
- Steam Turbines
- Turbo Compressors
- Pumps
- Blowers
- Expanders
- Turbo Machinery Controls
- Auxiliary Systems

Our added value:
Our integrated solutions deliver:
- Economies of scale, flexibility and fast response
- Minimised interruptions and downtime
- In-house spare parts engineering capability
- MRO services combined with commissioning support for a smooth overhaul process
- Integrated approach in turnkey projects
- Proven track record

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STEAM TURBINE SERVICES

AS A STEAM TURBINE MANUFACTURER FOR DECADES THROUGHOUT THE LAST CENTURY, STORK POSSESSES VAST EXPERTISE AND EXPERIENCE IN ENGINEERING, INSTALLING AND MAINTAINING TURBO MACHINERY.

On this eminent basis we offer you complete turbine repair, including fact-finding, rotor balancing, reblading, problem-solving and (de-)commissioning support. We also provide services between major overhauls, such as bearing inspections, vibration measurements and troubleshooting based on operating data from the control system. We aim to get your turbo machinery set back up and running in the shortest possible time.

Our services include:

- Inspections & diagnostics
- MRO (Maintenance, Repair, Overhaul)
- Total shop & field services
- Reverse engineering & upgrades
- Numerical simulations (CFD, FEM, rotor dynamics)
- Rotor & stator refurbishment and renewal
- High-speed & low-speed balancing
- (De)commissioning
- Troubleshooting and root cause analysis

www.stork.com
Maintenance of the turbo compressor train is an important driver for asset performance. Well maintained equipment provides a longer lifetime, increases revenues and reduces HSEQ risks and unplanned downtime.

Our proven portfolio of inspection, repair, maintenance, modification and engineering services is based on a unique combination of expertise and experience. Depending on the medium that is compressed in the machine we can offer several types of coatings or their equivalents for improving asset lifetime. From short-term wax coating for protection against corrosion to coatings which are baked into the surface of the material to resist the most acidic chemicals.

We deliver complete solutions as a leading independent service provider. With our in-depth compressor knowledge and comprehensive technical capabilities, we support customers in optimising their production facilities in the oil & gas and petrochemical industries.

WE DELIVER MAJOR COST BENEFITS WITH INTEGRATED SOLUTIONS FOR ALL COMPONENTS OF THE TURBO-COMPRESSOR TRAIN.

Our services include:
- Inspections & diagnostics
- MRO (Maintenance, Repair, Overhaul)
- Modifications
- Spare parts (reverse engineering)
- Numerical simulations (CFD, FEM)
- De-commissioning
- Troubleshooting and root cause analysis
- Coatings

The types we support

- Dynamic Type
- Radial Flow (Centrifugal)
- Axial Flow
- Single-stage Multi-stage
  Horizontally Split Vertically Split (Barrel)
  Integral gear
- Multi-stage
  Fixed Stator Vanes Variable Stator Vanes
- Mixed Flow
Working closely together with other specialised Stork companies we service the total turbo train including manufacturing of blades and gearboxes, and provide electric machinery services for generators and e-motors. We aim to be your full maintenance partner for life. Please contact Stork if you have any questions or special demands.

Digital protection and condition monitoring can be integrated if required. Our integrated approach gives us a competitive edge over companies that simply supply automation. It assures you of flawless control system integration with minimum downtime. Our controls engineers handle turbo machinery commissioning and troubleshooting, including interface (hydraulics/sensorics) design and realisation, in many cases together with service tasks. Further benefits in operability and maintainability can be achieved by controlling all machines in one train with our integrated controls solutions.

FOR BOTH TURBINE AND COMPRESSOR CONTROLS WE SUPPLY, INSTALL AND COMMISSION DCS- AND PLC-BASED GOVERNORS, SEQUENCING AND MONITORING SOLUTIONS.

Our services include:

- Customised control packages
- Individual component replacements
- Design and implementation of interfaces
- Transparent programming

- Integrated control solutions for turbine generators and turbine/motor driven compressors trains
- Controls and actuation system retrofits
- Modification of control systems

AND MORE...

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