



ACHIEVING BEYOND EXPECTATION

**THE INDUSTRY REFERENCE FOR INTEGRATED INDUSTRIAL
MAINTENANCE SERVICES IN AUSTRALIA AND NEW ZEALAND**

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STORK IN AUSTRALIA AND NEW ZEALAND



We don't feel as if safety should be a trade secret. At the end of the day, we want to ensure that everyone in the industry is working safely.

In 2016, Fluor, a leading publicly-traded engineering, procurement, fabrication, construction, and maintenance company acquired Stork in order to extend on their global operations and maintenance business line. With activities dating back to 1827, Stork became a global provider of integrated operations, maintenance, modification and asset integrity solutions. Its 18,000 employees in 100 countries serve over 400 clients. In 2015, Stork acquired Giovenco Industries to extend its services in Australia and New Zealand.

Offering a broad spectrum of industrial services since 1954, Giovenco Industries became one of Australia's leading contracting companies. The company comprised a group of specialized multi-disciplined industrial services.

From the company's first contract at the Caltex refinery in Kurnell to the ongoing works on the Wheatstone LNG Project, Giovenco Industries delivered projects to a high quality, and most importantly, safely. Now working as one team under the Stork brand, with hundreds of employees located in Australia and New Zealand, we are uniquely positioned to support oil and gas operators, onshore and offshore, throughout the asset life cycle. The railway sector is supported by Fluor Rail.

From inspection & integrity, mechanical & piping, industrial maintenance (fabric maintenance) and tank repair, we deliver services with a focus on safety, quality and cost-efficiency. Safety is a core value. Stork's REACH Beyond Zero HSSEQ program provides a platform at all levels of the organization to deliver continuous improvement in safety performance.

In short, we streamline the processes that are essential for safe and effective integrated operations. And by improving efficiency, availability and profitability, we help to optimize the value of your assets whilst extending field life.

Now with over 190 years of international maintenance experience, our ability to deliver integrated services combined with our focus on improved safety, multi-skilled teams and an innovative approach to working, sets us apart from our competitors. Daily, our well-connected, data-informed and diversified organization builds on our reputation for continuously enhancing our clients' performance and for setting standards of excellence.



Stork acquired Giovenco Industries in 2015

OUR INDUSTRIAL SERVICES



Our capabilities allow us to control all aspects of the project from design to close out. Whether it is a greenfield project or an asset maintenance program, our project management and contract administrators seamlessly deliver integrated projects safety, deliver on time, on budget and with total client satisfaction.

Our core industrial-services offerings are:

- Scaffolding and access solutions,
- Industrial coating and abrasive blasting (on-site and workshops),
- Industrial insulation,
- Fireproofing,
- Tank repairs and shutdowns,
- Mechanical services.

Our approach:

- Deliver the client the benefits of a business with a strong global experience and resources,
- Bringing proactive client leadership engagement,
- Integrated project planning,
- Focusing on client challenges with a collaborated solution-development approach,
- Providing best-in-class innovations, like UAV.

Alliances, partners & clients:

Amcor	Comalco	Mobil	Santos
Bechtel	Conoco Phillips	Monadelphous	Shell
BHP Billiton	Downer EDI Works Ltd.	New Zealand Refining Co.	Tarong Energy
BOC	John Holland	Orica	Sydney Water
BP	KBR	Origin Energy	Thiess
Caltex	Laing O'Rourke	QGC	UGL
CBI	Lend Lease	QNP	Woodside
Chevron	Metso	Rio Tinto Alcan	WorleyParsons

SCAFFOLDING AND ACCESS SOLUTIONS



Our team provides clients with a full project-managed service with management leadership, joint planning, engineering, inspection, maintenance and execution.

STORK DELIVERS EFFECTIVE SCAFFOLDING AND ACCESS SOLUTIONS

These solutions assist in the reduction of cost, downtime and man hours while providing strategies and innovation in design, technique, material and labor hire. We provide a range of specialized access solutions, including rope access as part of our integrated maintenance and project services. Our team provides clients with a full project-managed service with management leadership, joint planning, engineering, inspection, maintenance and execution.

Fall-prevention systems and netting solutions

The construction and management of permanent engineered working-at-heights, roofs and structural systems. Alternative solutions also include the provision of temporary fall restraint systems which can be utilized for those “one-off” jobs.

100% falls prevention

The peace of mind in knowing that 100% falls prevention can be obtained through a variety of restraint system solutions for every occasion.

Fall-prevention training

Provision of customized working-at-heights training solutions for project teams that identify and work at height hazards associated with the tasks to be carried out.

Height-safety solutions

Innovative height access and safety techniques.

We hold international accreditation with IRATA and we are able to provide international standard workers for any project which may produce conventional access challenges.

Scaffolds, platforms

Solutions for every type of situation. Our highly-skilled access personnel carry out consistent projects for a vast array of maintenance, shutdown, repair or replacement projects. The team is vastly experienced with any type of access solutions, but not limited to the following systems:

- Spur scaffolding,
- Rigging,
- Elevated work platforms,
- Kwikstage,
- Material hire,
- Swing stage,
- Rope access,
- Lahyer,
- Access design,
- Tube and fitting,
- Engineering design,
- System-design advice,
- Cantilevered scaffolds,
- Drop scaffolds,
- Ring lock.

OTHER ACCESS SOLUTIONS

UAV/Drones

Stork utilizes fulltime CASA approved pilots offering a variety of UAV services including:

- Weed detection and control,
- Chemical spray delivery,
- Thermography,
- 3D process plant mapping,
- 3D tank mapping,
- Visual inspection via UAV,
- Pipeline inspection,
- Internal inspections (vessels and tanks),
- Stockpile measurements,
- General photography and video production.

Rope access

Stork is a certified IRATA company and offers all services, both general industrial services and specialized NDT services, via fully qualified and experienced specialized rope access crews. Our crews are fully certified, including level 3 and all disciplines. (Fully self-contained crews).

COATINGS & ABRASIVE BLASTING



Stork has an industrial paint facility that boasts state-of-the-art offering utilizing the very latest in technologies & application methods.

Stork has industrial paint facilities which are state-of-the-art, offering the very latest in technologies, application methods and safety regulations. The flagship facility in Chinchilla, Queensland boasts more than 750 square metres area with a blast room measuring 6m in height by 6m wide by 15m in length. The blast facility is a steel shot, 8 ton system with a pneumatic recovery system allowing for minimal material waste and paint-removal rates of up to 20 square meters per hour.

Our highly-skilled workforce covers a one stop shop from site managers, estimators and project engineers, planners, superintendents, supervisors, HSE managers and advisors, QA managers and advisors, subcontractor coordinators, to internal compliance auditors. Stork only employs the highest quality of onsite craftsman in delivering the very best in the many various coating methods adopted in today's climate. We accommodate the many products specially designed to service new technologies. Please see some systems, we are experts within, listed below but not limited to:

- Tank lining & repairs,
- Renovation & removal of old lead coatings,
- Acid etching coatings,
- Polyurethane, phenolic, epoxy, etc.,
- Hand & airless & conventional spray applications,
- TSA thermally-sprayed aluminium & metal coating,
- Internal pipe coating & tunnels.
- Industrial vacuuming,
- Concrete coatings,
- All types of surface preparation, aggregate & water etc.,
- Aggregates such as garnet, steel shot, sponge, copper slag,
- Anti-corrosive tape wrapping,
- Ultra high-pressure water jetting,
- High-pressure water cleaning.

We cover all specifications & systems. From development or advice on relevant specifications to suit systems required to advice and recommendations for development of document controls such ITP. Our QA/QC inspectors are certified by organizations such as NACE, ICORR, British Gas and Frosio accredited bodies. Our removal teams are a part of our current new-build & maintenance teams or are brought in specifically for the client's project requirements.

INSULATION



Through commitment to quality, safety and service, Stork has earned a reputation as a leader in the hot & cold thermal, cryogenic and acoustic insulation industry.

Our team's experience encompasses all realms of insulation applications are kept up-to-date with the new technologies by upskilling our personnel. Stork also maintains the older systems where like-for-like renovation works are required, some of these include large pressurized tanks, boilers, precipitators, exhausts, process and utility piping, CUI, LNG plants and equipment of all types etc.

Stork trained and experienced crews are experts in sheet metal fabrication and all other types' applications as listed below but not limited to:

- Insulation energy audit assessments (reducing client energy costs),
- Sheet metal fabrication of exhausts, ducts and specialized systems,
- Identification and repair of corrosive conditions under insulation (CUI),
- Maintenance repairs and servicing,
- Major and minor project services on new build.

Application systems such as:

- Acoustic,
- Cold insulation,
- Marine insulation including subsea,
- Sheet metal work,
- Thermal insulation,
- Fire protection applications,
- Cryogenic insulation,
- Insulation valve jackets,
- Removable insulation,
- Custom designed for easy access to equipment,
- Personal protection guarding and valve.

These systems cover a variety of products for which Stork has built up strong technical knowledge and manufacturer relationships in becoming their preferred applicators, spanning many years. Some products are listed below but not limited to:

- Rockwool,
- Foam glass,
- Aerogel,
- Polybrid,
- Hyper last,
- Contratherm,
- Arm flex,
- Arm check,
- Over shield,
- Marine board,
- Interterm 7050.

FIREPROOFING SOLUTIONS

Stork is an industry leader in the provision of fireproofing systems in both intumescent and cementitious products.

INDUSTRIAL AND COMMERCIAL

Helping protect your people and assets

Stork is an industry leader in the provision of fireproofing systems in both intumescent and cementitious products. These fires are split into groups of which the most common two are cellulosic and hydrocarbon.

Stork is a major contractor for the supply and installation of the following fireproofing materials but not limited to:

Intumescent epoxy passive:

- Chartek (International),
- Pitt Char (PPG),
- Thermolag (Carboline),
- Nulifire,
- ContraTherm C55 (Advanced Solutions),
- ContraTherm C25 Subsea (Advanced Solutions),
- Jotachar (Jotun).

Intumescent film paints:

- AkzoNobel,
- Ameron,
- Sigma,
- Jotun,
- Cafco,
- Carboline.

Cementitious:

- Cafco 300 (Promat),
- Cafco Mandolite 550 (Promat),
- Cafco Fendolite M11 (Promat),
- Pyro Crete (Carboline),
- Concrete.

Our expertise includes the use of a wide range of materials for fireproofing

Intumescent epoxy materials have been recognized as the best means of saving lives and limiting damage when hydrocarbon fires hit offshore & onshore assets and where there is a high potential of fire risk.

In recent years, land-based refineries and petrochemical plants have addressed the potential of hydrocarbon jet and pool fires. However, safety cases and management systems, no matter how sophisticated, cannot prevent fires.

The most effective fireproofing system against hydrocarbon fires is the use of epoxy intumescent materials, such as the above named products for which Stork has built up strong technical relationships in becoming members of their preferred applicators group.

Stork offers a complete package from fire rating & design HP/A, application, quality control, highly qualified & experienced operatives covering all the main application methods in hand application, single leg application & plural pump application.



TANK REPAIR & SHUTDOWNS

ONSITE AND WORKSHOPS

Our unique ability is our capability across all major tank maintenance disciplines including:

- Mechanical repairs and modifications,
- Coatings and linings,
- Insulation,
- Access solutions, including scaffolding and rope access.

This allows us to provide improved and efficient coordination between disciplines, reduced management requirements and reduced project durations.

When combined with our experienced project and contract-administrative personnel, we are able to offer solutions ensuring client satisfaction.

Services across all tank maintenance phases include:

- Project and tank asset maintenance planning,
- Decommissioning,
- Inspection and scoping in accordance with API standards,
- Repairs, modifications and testing,
- Hydro-testing and commissioning.

Our services include design and engineering activities relating to tank maintenance.

OUT-OF-SERVICE ACTIVITIES

Tank shell

- Carry out an out-of-roundness survey prior to commencing any mechanical work,
- Carry out a tank-settlement survey prior to commencing any mechanical work,
- Door sheet: select location for door sheet, prepare door sheet and door sheet reinforcement drawings and calculations and submit to client for approval,
- Cold-cut door sheet,
- Repair of shell strakes (replacement of shell plates and localized welding).

Tank floor

- Annular ring replacement,
- Replace water-draw base plate and flange to elbow assembly,
- Replace floor island plates,
- Inspect the reinforcing plates on all nozzles and man ways and replace if required or do not meet the relevant API specification,
- Replace existing water-draw elbow and assembly including nuts and bolts.



With a team of experienced tank maintenance personnel, Stork achieves 'best in industry' tank maintenance solutions, ensuring client satisfaction.

Tank roof

- Replace centre-deck plates,
- Replacement of pontoon,
- Renew pontoon external wall,
- Replace of pontoon bottom plates,
- Renew / replace floating roof seal,
- Replace internal floating roof,
- Replace existing roof manway hatch,
- Remove, clean and refurbish radar gauge pole and adapter spool,
- Allow to renew gauge pole rollers,
- Remove, clean and refurbish radar gauge,
- Renew check valve and roof drain assembly.

Stairways, ladders and gratings

- Renew hand rail with handrail pipe,
- Pad weld repair stanchions,
- Install gratings over the water draw pit and valve extension handles,
- Replace the sample tundish.

TANK HYDRO-TESTING

On completion of all mechanical work on the tank, hydro-test in accordance with API 650/653.

Repair/replacement of tank-related piping

- Replace corroded pipes, flanges, hydro-test and paint,
- Replace floating suction (internal) elbows.

MECHANICAL SERVICES



Our mechanical services are offered across oil & gas, chemical, power, mining and minerals processing, and various infrastructure industries.

Stork offers a diverse suite of mechanical services:

- Maintenance services,
- Capital projects including expansion and sustaining capital work,
- Turnarounds and shutdowns.

Our mechanical services are offered across oil & gas, chemical, power, mining and minerals processing, and various infrastructure industries.

We have industry-experienced personnel in the following areas:

- Site managers,
- Estimators and project engineers,
- Planners (P6 background),
- Superintendents,
- Supervisors,
- HSE managers and advisors,
- QA managers and advisors,
- Subcontractor coordinators.

Our services include the provision of highly-skilled and qualified trade personnel including:

- Scaffolders,
- Riggers,
- Painters and blasters,
- Sheet metal workers,
- Fireproofers,
- Fitters,
- Welders,
- Boilermakers,
- Trade assistants,
- Project managers,
- Project engineers,
- Planners,
- Supervisors,
- Administrators.

SAFETY REACH BEYOND ZERO



Stork is fully committed to ensure all employees go home safe after each day or shift. REACH Beyond Zero will help us to achieve this goal. REACH Beyond Zero is our HSSEQ vision, to activate and engage all Stork employees to challenge themselves, to think and do more to improve our HSSEQ culture and performance.

Safety is a core value and we are committed to translate our HSSEQ ethos into sustainable and effective actions.

REACH Beyond Zero communicates on environmental and quality issues in addition to health and safety as a fully encompassing employee-led program.

REACH Beyond Zero adds value for our clients by:

- Engaging with and positively impacting their HSSEQ culture,
- Improving HSSEQ performance on their assets,
- Transparent HSSEQ reporting,
- Enhancing communication through sharing information, lessons learned, best practices and alerts.

REACH Beyond Zero is built on five core behaviors, which we seek to demonstrate at every level of our organization.

The behaviors are:

- Visibility** – acting as active champions of the REACH Beyond Zero values.
- Authenticity** – demonstrating personal commitment through action.
- Leadership** – taking personal ownership and responsibility for HSSEQ in the workplace.
- Understanding** – understanding our HSSEQ challenges and contributing to improvements.
- Engagement** – feeling empowered to intervene when a situation appears unsafe.

ACCREDITATION & TRAINING



Stork works closely with Australian registered training organizations (RTO's) to provide training needs in areas such as:

- Working at heights,
- Scaffolding competency,
- Verification of competency,
- Confined space,
- Safety advisory,
- Gas monitor,
- Chemical alert.

Stork is accredited to JAS-ANZ register for the following:

- Quality ISO 9001,
- Safety AS/NZS 4801,
- OHSAS ISO 18001,
- Environment ISO 14001.

LOCATIONS & CONTACTS



STORK WORKSHOPS & PROJECT HUBS

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