

CAPABILITY STATEMENT

TANK TESTING SERVICES

THE PURPOSE

This document is composed to assist our clients and the supply chain to understand our group operating structure along with a high-level understanding of the benefits, services and specialist packages associated with our tank inspection services.



VERITECH



WHO WE ARE



Vertech provide specialist access, inspection, maintenance and engineering services across various industries. We deliver solutions to support companies managing assets and infrastructure in diverse sectors. Our expertise extends to offering advanced access systems and inspection services for maintenance, upgrades, repairs and remediation projects.

TANK TESTING

Vertech understands that bulk storage tanks are assets of both strategic and operational importance for companies across a large range of industry sectors. Our specialised range of services assist our customers in maintaining their inspection, maintenance and repair schedules to ensure maximum availability while complying with Australian Standards and EPA requirements.

Our clients benefit from our team of experienced API-653 tank inspectors and engineers who can evaluate the inspection data, perform remnant life calculations, design weld repairs and prepare weld procedures. From our years of experience, we know that every tank is different and have their own unique factors to consider.

There are many different variables that come into play when designing a repair procedure such as the specific gravity of the stored product, the age of the tank, the construction material that was used etc. That's why we prepare our repair documents and procedures according to API-650 and API-653 requirements. We also tailor our repair procedures specifically to suit your needs based on your industry's operational requirements.

TANK TESTING INSPECTION PACKAGES INCLUDE

- ✔ Detailed inspection analysis
- ✔ Non-intrusive NDT inspection
- ✔ Annular ring inspection
- ✔ In-service tank inspection solutions
- ✔ Magnetic Flux Leakage (MFL) floor plate inspection - Silverwing 3DiM-R
- ✔ API-650 and 653 compliance Inspection
- ✔ 3D Laser scanning surveys
- ✔ NACE coating condition inspections
- ✔ Rope access solutions
- ✔ Integrated interface with on-site client representative



INSPECTION TOOL

SILVERWING 3DI-R FLOOR PLATE INSPECTION TOOL

For floor plate inspections our team utilise the best technology money can buy. The Silverwing 3DiM-R combines Magnetic Flux Leakage (MFL) and Surface Topology Airgap Reluctance Sensor (STARS) technology into a single tool, allowing our team to give our clients one of the most detailed floor plate inspections on the market.

Vertech's tank inspection team pride themselves on not only their accuracy but also their efficiency, and with this technology our technicians can scan the tank floor at up to 1 m/s. This means less time spent in the tank, letting our clients get the tank back on line sooner.



TO GET THE RIGHT RESULTS, YOU NEED THE RIGHT PEOPLE



TANK TESTING SERVICES

Vertech understands that each client has different needs and can incorporate a variety of additional support services into any tank inspection package.

IN-SERVICE INSPECTION

Vertech and our specialist partner companies provide comprehensive in-service inspection services across various industries to assist our clients with asset integrity management.

Sonomatic has developed robotic technologies to deploy its world leading ultrasonic thickness measurement capability to tank floors in-service. Storage tanks hold valuable but potentially hazardous fluids, making inspection crucial for integrity management. Traditional inspections require man entry, draining, and cleaning, causing downtime and safety risks. Remote Internal Inspection (RII) offers a safer, in-service alternative. Sonomatic's skilled technicians use diverse inspection techniques across various environments.

ROV, RDVI & UAV INSPECTION

UAV & Remote Digital Visual Inspection (RDVI) uses remote digital systems such as ROVs, drones or crawlers to internally inspect and assess difficult to access areas without the need for Confined Space Entry (CSE).

Vertech apply Advanced-RDVI as an integrated solution with a focus on pre-planning and specialist execution packages to deliver high levels of data and results that can not only be used for pressure equipment sign off, but also for post inspection analysis, risk reviews and process operational requirements. Our services and capability in RDVI encompass Front end engineering & design (FEED), Operational planning & reviews, Onsite execution services and Advanced RDVI.



WELDING & MATERIALS ENGINEERING

A properly produced weld should be as strong as the materials that are joined together. Our highly experienced welding and materials engineers provide various types of welding procedure qualifications that support procedure qualification records.

ADVANCED NON-DESTRUCTIVE TESTING (NDT)

Advanced NDT is the best solution for a complete inspection of components and materials as it can reveal internal and or external flaws and defects. With the auxiliary support of Sonomatic, we provide a wide range of advanced NDT systems including Alternating Current Field Measurement (ACFM), Corrosion Under Insulation Inspection (CUI) with Eddyfi LYFT and an array of proprietary advanced inspection systems.

PAINTING & COATING REPAIR

Vertech's fabric maintenance teams provide a suite of high mobility surface treatments and coating system applications, all underpinned by our variety of access specialisations.

SPECIALIST ACCESS

From rope access to engineered decking, Vertech is a holistic access provider. We are recognised industry-wide for providing the right access systems for each situation.

COMBINED SERVICES

Vertech work alongside a Group of affiliated companies that together, deliver a comprehensive range of asset integrity, inspection, maintenance and specialist access services across a wide range of industries and sectors across Australia and the Asia Pacific. Our shared capabilities span project management, NDT, drone and ROV inspections, 3D modelling, specialist access and maintenance, and environmental and export infrastructure services.

Vertech – Experts in specialist access, NDT and inspection, maintenance, and repairs.

Geo Oceans – Leaders in Mini-ROV IRM and water inspection, with expertise in AUV and ASV deployment.

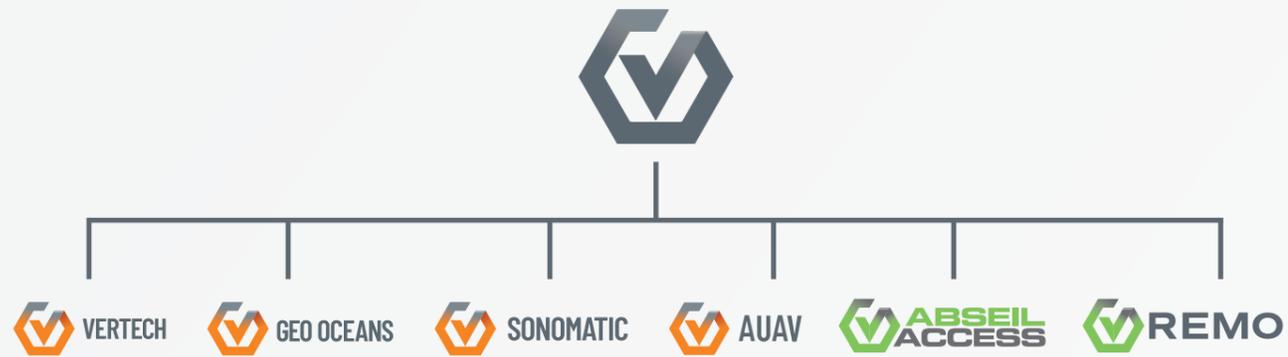
Sonomatic – A global leader in specialised NDT and integrity inspection solutions.

AUAV – Specialists in UAV, drone-based inspections, and 3D modelling.

Remo Technical Services – A leading supplier of turbine installation, maintenance, and inspection services.

Abseil Access – Specialists in bridge engineering, geotechnical slope stabilisation, rockfall protection, and rope access solutions.

Together, we deliver tailored service packages designed to meet the specific needs of each client and asset. By collaborating across our group of companies, we drive innovation, improve safety, and ensure consistent delivery of high standards across the mining and infrastructure sectors.



OUR 4 CORE VALUES



PEOPLE



SAFETY



QUALITY



INNOVATION

GROUP SUMMARY



Geo Oceans is an award winning subsea services provider delivering innovative and disruptive ROV inspection solutions to a global client base. We specialise in developing and deploying small ROV systems and subsea robotics directly from assets or vessels of opportunity to provide clients with reliable, safe, low carbon and low cost solutions for managing subsea asset integrity. We are also experts in the planning and execution of offshore surveys, using autonomous survey vehicles (AUV).



Sonomatic specialise in the design, development and application of Non-Destructive Testing (NDT) inspections. Since the company's formation in the 1980s, we have combined these NDT processes with integrity engineering capabilities to provide fully integrated inspection packages that directly meet the needs of the client.

Bringing innovative bespoke inspection solutions to the market through in-house development of equipment, software and robotics, Sonomatic resides as the global leader for ROV-deployed subsea inspection and Non-Intrusive Inspection (NII) technologies.



AUAV is a drone service provider established in 2013. We offer topographical surveys, LiDAR, inspection, 3D modelling, and bespoke projects. Our team are full-time employees, ensuring quality control. Our proprietary inSite data solution provides consulting, capture, and hosting. We're a top 20 drone service provider globally, certified by the Australian Civil Aviation Safety Authority and insured.



REMO Technical Services specialises in turbine installation, maintenance, and inspection. We offer a managed solution based on extensive experience in wind and renewable energy building on their reputation established through successful wind turbine installation and commissioning projects across Europe.



Abseil Access has supplied industry-leading services including bridge design, bridge engineering and construction, Geotechnical slope stabilisation and rockfall protection, conservation, and rope access services across a multitude of sectors since 1992. In that time, the Abseil Access team have come to understand the frequently encountered challenges our customers face and how we can provide maximum value. Our offices are located in Wellington, Christchurch, Nelson, and New Plymouth to support operations in even the most remote parts of New Zealand.

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