

# **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.

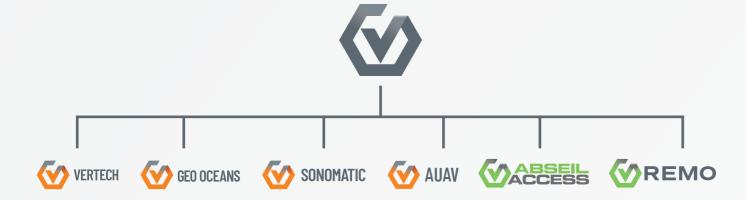
Geo Oceans - Leaders in Mini-ROV IRM and water inspection, with expertise in AUV and ASV deployment.

**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



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.



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.



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).



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.

2 | GROUP OVERVIEW CAPABILITY STATEMENT vertech.com.au | sonomatic.com | geooceans.com | auav.com.au | remo-ts.com | abseilaccess.co.nz

# **IN-SERVICE INSPECTION**

Vertech provides specialised in-service inspection services across various industries, ensuring asset integrity and safety. Our offerings include Integrity Engineering, Manned, and Unmanned Inspection Services. By adhering to industry codes and standards, we minimise risks and costs for our clients. Our NATA-certified team is proficient in Australian/New Zealand and American standards, including ISO 17025 and 17020.

## **SPECIALIST MAINTENANCE**

Vertech offer specialist access systems and inspection services for maintenance, upgrades, repairs, and remediation. Our experienced teams provide total safety, cost-effectiveness, and efficiency benefits. Vertech delivers excellence on complex projects in the resources sector. Our specialist maintenance, upgrade and repair services include:

- Brownfield Project delivery
- Mechanical and Pipe Fitting
- **Specialist Rigging and Lifting**
- **♥** Composite Wrap Application
- **७** Coating Remediation and Application
- High Mobility Welding
- **♥** Specialist Access and Rope Access

#### SPECIALIST AND ROPE ACCESS SERVICES

Vertech is a pioneer of industrial rope access solutions in Australia. We imported the first engineered decking systems to the Asia Pacific region and designed and installed the first offshore safety netting and tension netting systems in the region. Vertech is proud to continue driving innovation in specialist access systems, which has reset industry norms.

Being a holistic access provider, we are recognised industry-wide for providing the right access systems for each situation. Our vision is to educate people on the pros and cons of each system to drive safety, cost and time efficiency across the industry.



TANK TESTING AND

**RDVI SERVICES** 

#### **NDT SERVICES**

At Vertech, we offer Non-Destructive Testing (NDT) services to companies with assets or infrastructure across many industries. Our industry leading experience with a comprehensive range of conventional and advanced NDT services ensures our clients receive first-class deliverables. Vertech has proven experience in NDT inspection planning, advising clients on NDT services, and providing recommendations and solutions to comply with international and Australian standards.

#### MARINE CLASS SERVICES INSPECTION

Vertech's Marine Department offers proactive, solutions-based services for marine structures. Our team comprises experienced professionals who specialise in inspections for ships, offshore floating structures, and subsea inspections. We provide unmanned and manned access, inspection, and preservation solutions, prioritising safety and cost-efficiency. We strive to innovate and collaborate with experts and clients to be industry-leading.

## TANK TESTING AND RDVI SERVICES

Vertech provides specialised storage tank inspection services to help companies maintain their bulk storage tanks while ensuring compliance with regulations and standards. Our experienced inspectors and engineers evaluate inspection data, design weld repairs, and prepare weld procedures to ensure maximum availability. We understand that each above-ground storage tank has unique factors to consider, and our years of experience have given us the expertise to provide the best solutions to our clients.

Remote Digital Visual Inspection or RDVI is the application of remote digital systems such as cameras, robots or crawlers to inspect internally and asses challenging access areas without the need for intrusive inspections and the associated Confined Space Entry. RDVI methodologies work for condition assessment, process efficiency assessments and Foreign Object Search And Retrieval (FOSAR).

## **SUBSEA INSPECTION**

Sonomatic is a leading provider of advanced subsea inspection technologies, including ROV and diverdeployed robotic systems. With 40+ years of experience, we design, develop, and build our inspection systems and scanners to meet specific client requirements.

Our unique and innovative inspection solutions enable clients to manage the integrity of aging assets while making informed and cost-effective decisions crucial to plant safety and longevity. We have a proven track record of safely delivering subsea inspection services for over three decades.

## **PIPELINE INSPECTION**

Sonomatic specialises in pipeline inspections to deliver high-quality data. We offer topside and subsea services to ensure pipeline integrity. We provide innovative statistical analysismethods to help operators make informed decisions regarding pipeline inspection and integrity assessments.

Sonomatic's advanced subsea pipeline inspection services utilise cutting-edge technology to effectively detect potential issues, collect precise data and assess pipeline conditions to ensure the integrity and reliability of underwater energy infrastructure. This reduces downtime, maintenance costs and enhances safety and environmental protection.

# **INTEGRITY ENGINEERING**

Sonomatic's Integrity Services Department provides engineering and operational support to clients, combining experience in the field with specialised engineering, planning, execution, data analytics, statistical methods, and custom software development. We specialise in advancednon-intrusive inspections and provide objective analysis through effective planning. Sonomatic's practical statistical methods for inspection planning through simulation position us to support the integrity management sector's transition to increased data-driven decision-making.



## **NON-INTRUSIVE INSPECTION**

Sonomatic is a pioneer in Non-Intrusive Inspection (NII) with global implementation. Our experienced team combines advanced data science and cutting-edge engineering capabilities to offer complete NII campaign services worldwide. We are committed to providing quality solutions that meet the highest safety and efficiency standards while ensuring an auditable trail for each department. NII is becoming an alternative approach to traditional Internal Visual Inspection (IVI) for pressure vessels, with some organisations aiming to eliminate vessel entry by 2026.

#### TANK CLEANING AND INSPECTION

Storage tanks typically contain large volumes of valuable but potentially hazardous fluids. As such, inspection is a critical element of the integrity management of storage tanks. The objective of the inspection is to provide information on the tank's condition. This information should be used to support effective integrity management decisions. Historically, storage tank inspection has relied on entry with the tank out of service. Opening storage tanks for internal inspection is a lengthy and challenging process.

The tank will be unavailable during the internal inspection and must be drained and cleaned before entry is possible. There are also safety hazards associated with personnel entry for inspection. Remote Internal Inspection (RII) methods offer an attractive alternative as they can be conducted whilst the tank is in-service and do not require vessel entry. Sonomatic's technicians are experienced in using various inspection techniques on numerous assets in many environments.

# **BESPOKE INSPECTION SOULTIONS**

Sonomatic is a relationship-driven company that constantly provides its clients with the best possible service using the most specialised technology. We always offer a bespoke solution to individual projects by selecting the most appropriate products and techniques from our wide range of equipment and modifying them to suit.



# WATER BALLAST AND CARGO OIL TANK INSPECTIONS

Utilising advanced ROV inspection technologies, GVI, CVI, UTM and other NDT methods, we conduct tank inspections to meet the specific lass requirements of each asset.

Our tank inspections are performed without emptying the tank of fluid, thereby reducing facility downtime while avoiding costly and dangerous Confined Space Entry (CSE) procedures.

# HULL AND MOORING UWILD / IN-WATER SURVEYS

We deploy our ROVs directly from the facility, eliminating the need for costly carbon-emitting support vessels.

Periodic or special surveys are tailored to the individual assets, considering the client's age and condition, class requirements and engineering needs.

Cleaning General and Close Visual Inspections are performed and supported with cleaning, CP, UTMs, penetration isolations, sea chest blanking, angle measurements, chain gauging and other NDT inspections as required.

Remote live data feeds can be supplied to support remote inspection and class attendance.

# MARINE HABITAT SURVEYS USING GO VISIONS™

Geo Oceans has an award-winning benthic habitat mapping and monitoring capability utilising the GO VisionsTM software to support regulatory environmental approvals for new construction projects (wharves, jetties, pipelines, offshore wind farms) or for decommissioning projects (pipelines, subsea cables, wells, jackets, nearshore infrastructure).



### SUBSEA ADVANCED NDT INSPECTION

Working in collaboration with Sonomatic, Geo Oceans has extensive experience in the development and ROV deployment of miniaturised subsea advanced NDT inspection tools to create high-accuracy corrosion maps of sections of pipelines, spools, hulls, infrastructure or to survey critical welds.

#### METROLOGY AND PHOTOGRAMMETRY

Our Mini-ROV inspection systems include imaging technologies for accurate size and area measurements. A camera array (stereo or mono) acquires high-definition video and images that can be processed for scaled measurements and 3D modelling.

The 3D models can calculate size and area measurements for localised corrosion mapping purposes or quantitative assessment of the remaining anode percentages. These 3D models can also be compared against the 'as built' (baseline) model of the anodes to create a 'deviation' model that displays the level of material loss.

# JACKETS, RISERS, SUBSEA FIELD INSPECTION

We have extensive experience performing ROV inspections of jackets, caissons, risers, mooring systems and subsea infrastructure, including pipelines, spools, wellheads and anode skids. We can deploy directly from platforms or vessels of opportunity.

Inspections and ROV interventions include anything from GVI/CVI, freespan, CP, UTM, FMD, marine growth assessment and spot cleaning to bulk cleaning, dredging, advanced NDT inspections (e.g. corrosion mapping, crack detection) and subsea repairs.

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## **AERIAL SURVEY AND MAPPING**

AUAV delivers high-precision aerial surveying and mapping using advanced drones and skilled surveyors. We provide 1-3 cm GSD orthomosaic and 3D terrain models with ~50 mm accuracy, enabling confident, data-driven decisions for engineering, construction, and environmental projects across a wide range of terrain types.

## **AERIAL LIDAR MAPPING**

AUAV's drone-based LiDAR (captures high-density point clouds for topographic surveys, terrain modelling, and risk assessments. Delivering hundreds of points per square metre, it's ideal for vegetated areas, corridor mapping, and powerline analysis. We offer full-service LiDAR solutions across mining, energy, and environmental sectors.

# **3D DIGITAL TWINS (InSite)**

InSite is AUAV's cloud-based platform for viewing drone data and managing asset inspections. It supports interactive 3D models, system integration, and tailored workflows. Built for clarity and efficiency, InSite enables detailed analysis, progress tracking, and better decision-making across diverse project environments.

# **DRONE IN A BOX (DIAB)**

The AUAV onSite drone in a box solution enables our team to control the drone from any one of our office locations without the need to mobilise to site. Remote inspections and survey are now a reality.



#### THERMAL INSPECTION AND SURVEYS

AUAV's drone-based thermal inspections detect temperature anomalies across mining infrastructure, including electrical faults, equipment hotspots, gas leaks, and stockpile heat build-up. For solar farms, we partner with a company to deliver Al-driven analytics and high-resolution thermal outputs, enabling rapid fault detection across hundreds of thousands of panels and supporting proactive maintenance and improved asset performance.

## **DETAILED CLOSE VISUAL INSPECTION**

AUAV's specialised inspection drones capture highresolution imagery of critical infrastructure, such as bridges, turbines, and towers - without the need for scaffolding or rope access. Their agility allows access to complex or hazardous areas, improving safety and reducing inspection time. This efficient, cost-effective method delivers accurate visual data to support proactive maintenance and informed asset management decisions.

#### TRANSMISSION LINE PACKAGE

AUAV delivers a complete transmission line inspection package combining LiDAR, high-resolution RGB, and thermal imagery with 3D corridor mapping. Our solution supports defect detection, vegetation encroachment analysis, hotspot identification, and condition change tracking. Ideal for both routine and emergency inspections, all data is georeferenced and integrated into asset systems for proactive maintenance and compliance planning.

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# TURBINE INSTALLATION AND COMMISSIONING

REMO Technical Services provides complete installation services with a focus on safety and qualitya,

- Project Management and Scheduling
- Receival and Offload
- QA/QC Inspection
- Pre-Installation and Assembly
- Site and Component Preparation
- Service Lift Installation and Commissioning
- Main Install
- Mechanical and Electrical Completions
- Full Commissioning, Walkdown and Handover
- Coatings and Defect Remediation
- Support Crane Operations

# TURBINE INSPECTION MAINTENANCE AND REPAIR

REMO Technical Services has developed a range of Inspection, Repair and Maintenance (IRM) service packages, including:

- Snagging Remediation Teams
- Blade Repair and Inspection
- Multi-Skilled Service Teams
- (Mechanical and Electrical)
- 500 Hour Service
- Wet and Dry Services
- Retrofit Campaigns
- Statutory Inspections

- Scheduled Routine Maintenance
- Preventative and Reactive
- Maintenance Cleaning
- Coating Repairs
- Bolting
- HVAC
- HV/LV Services

#### TURBINE MAJOR COMPONENT EXCHANGE

REMO has developed a range of Major Component Exchange procedures to safely and efficiently replace and recommission turbines. We have experience from routine replacements to complex deconstruction and rebuild works following lightning strike and blade wraparound events.

Emphasising project planning, risk assessment, and quality delivery REMO Technical Services provides:

- Gearbox Replacement
- Transformer Exchange
- Blade Exchange
- Hub Replacement
- Re-Commissioning
- Main Baring Replacement
- Blade Baring Replacement
- Repair of Electrical & Hydraulic Systems



## **TURBINE SPECIALIST ROPE ACCESS**

REMO Technical Services is a pioneering specialist access system provider within the renewables sector.

REMO's teams are innovating specialist access systems through the evaluation of the most suitable method and approach that offers its clients, its people, and the broader industry time efficiencies, safety improvements, and cost reductions:

- IRATA Rope Access
- Custom Access
- Platforms Alternative
- Access Platforms
- Engineered Access
- Platforms Scaffolding
- Overhead Protection Solutions
- Tension & Safety Netting
- UAV Aerial Systems
- ROV Subsea Systems

## **TURBINE INSPECTION AND MONITORING**

Wind turbines inevitably encounter wear and tear and damage, requiring proactive maintenance and inspection throughout their lifecycle. REMO can provide a complete end-to-end assessment and monitoring service for your project, identifying issues or defects on the main rotor shaft, circumferential weld flanges, and ancillary bolts. Our end-to-end inspection and monitoring solutions include:

#### **UAV SURVEY**

- Aerial Surveying & Mapping
- Aerial Lidar
- Thermographic Surveying
- Aerial Photogrammetry
- Detailed Visual Inspection
- General Visual Inspection
- 3D Digital Twins

#### NDT SERVICES

Fast Screening Techniques

- Fatigue Crack Detection
- Recordable Data For Archiving
- Data Comparisons
- Reliable Testing Methods

#### SUBSEA INSPECTION

- Structural Assessments
- Conditional Monitoring
- Environmental Monitoring
- Subsea Cable Inspections
- Data Analysis & Reporting

## **TURBINE DECOMMISSIONING**

Specialists in Decommissioning Services, REMO Technical Services have delivered several unique and complex decommissioning projects, including lightning strikes, blade wraparound, and major component failures.

REMO draws on a diverse range of experience and expertise within our team to develop tailor-made solutions for the individual challenges presented by decom work mechanically and electrically.

Unique rigging configurations, engineered lift plans, and developing isolation methods where existing equipment has been compromised form part of the solutions that are designed for specific situations and circumstances.

## **BRIDGE DESIGN AND ENGINEERING**

The Abseil Access Specialist Bridge Division is proud to say that since 2006, over 75 of our bridge designs have been selected and constructed across New Zealand and the Pacific islands. No matter how remote the location or how challenging the design, our passionate team have consistently delivered innovative, high-quality, and fully engineered solutions, which have seen Abseil Access become recognised as a market leader in pedestrian and cycle trail suspension bridge and swing bridge design, engineering, and construction.

#### **BRIDGE CONSTRUCTION**

Our bridge construction and repair teams have worked all over New Zealand completing the builds for over 100 pedestrian bridges by mid-2022. No matter how remote the location, or how challenging the design is, we have the expertise, passion, and equipment to deliver a world-class bridge construction project.

We build suspension bridges and swing bridges in remote and difficult locations using helicopters, rope access, and boat access with our bridge-building crews often living on site. Our proven track record has been underpinned through a combination of specialist access services, rigging, geotechnical, and engineering expertise which have been a perfect combination for success.

### **SLOPE STABALISATION**

The Abseil Access team specialises in using rope access systems for stabilisation work on hazardous and difficult-to-access sites. Our team's comprehensive knowledge of materials and techniques allows us to design the best and most cost-effective solution for any situation, regardless of the geological environment.

Working with local and national government transport bodies is when we come into our own, having completed projects on some of the most dangerous sections of highway throughout New Zealand.



#### **ROCKFALL MITIGATION**

Abseil Access provides expert rockfall mitigation services across New Zealand, leveraging over 20 years of experience in drill and blast techniques, hand and rope scaling, and micro-blasting to remove or stabilize unstable rock faces. They handle full project scopes—including environmental and public-safety management, revegetation, and traffic controls—and design/install rockfall barriers and attenuators tailored to varied terrain and risk levels

#### **INSPECTION AND MAINTENANCE**

Abseil Access delivers comprehensive inspection and maintenance services for buildings and infrastructure, specializing in hard-to-reach areas using rope access techniques. Their team conducts detailed structural inspections, condition assessments, and safety checks, while also performing maintenance tasks such as waterproofing, painting, glazing, and leak repairs. With a focus on safety, efficiency, and minimal disruption, they ensure the long-term integrity and performance of assets across various industries.

### **CONSERVATION AND ENVIRONMENTAL**

Our conservation and biosecurity division provides specialist and trained workers devoted to conservation principles. New Zealand has a unique ecosystem that is carefully managed and monitored by the Department of Conservation (DOC) with support from specialists nationwide. Biosecurity is critical to our native species as it helps to prevent damage caused by unwanted organisms such as animal pests, weeds, didymo, and diseases like kauri dieback.

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