VERTECH GROUP

SONOMATIC

GEO OCEANS

AUAV

BLUE OCEAN MARINE SERVICES

CAPABILITY STATEMENT

MARINE INFRASTRUCTURE

THE PURPOSE

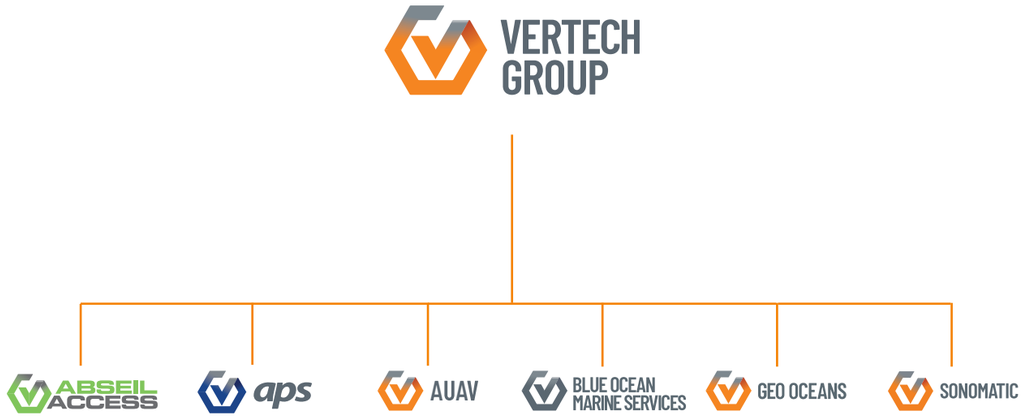
This document will assist our clients and the supply chain in understanding our group operating structure and a high-level understanding of the benefits, services, and specialist packages associated with our marine infrastructure specialisation.

COMBINED SERVICES

Vertech Group is a leading provider of marine infrastructure services in Australia. We assist in the development and maintenance of export jetties and wharves nationwide. Our services include project management, NDT, drone inspections, 3D modelling, and specialist maintenance. We also offer services for import terminals, including NDT, inspection, and environmental surveys. Our commitment to enhancing Australia's marine infrastructure contributes significantly to its economic stability and growth.

Our group is comprised of complementary and specialist service providers assisting us in innovation and project delivery across the marine infrastructure landscape. Geo Oceans is an industry leader in Mini-ROV IRM and subsea inspection services. Sonomatic is recognised as a global leader in specialised NDT. AUAV delivers specialist UAVs, Drone and 3D Modelling, and Blue Ocean Marine Services are experts in deploying AUVs and ASVs.

As a cohesive unit, we can provide an unparalleled array of services and packages tailored to the needs of each client and the specific marine asset. No matter the scope, we offer the best, including a pedigree in specialist access solutions, NDT and inspection, high mobility fabric maintenance, composite wraps, geophysical, met ocean and environmental surveys, AUV, ASV, ROV survey and inspection.



MARINE INFRASTRUCTURE

The marine sector is dynamic, requiring speed, efficiency and quality, with the same being expected from its contractors. Vertech prides itself on its ability to provide high-quality inspection and maintenance services performed by an agile workforce strategically located across the Asia Pacific.

Our Marine Infrasctructure's client-centric approach has been refined and perfected through years of industry experience. Genuinely understanding each client's unique needs has enabled us to deliver a best-in-class outcome on capital projects, asset maintenance campaigns, and major turnarounds with unparalleled cost, time, and safety benefits.

Vertech's passionate and experienced people are another critical part of our success. Our Asia Pacific team has been hand-selected from the best and brightest to ensure our clients have the suitable systems, equipment and support to meet their needs.

ASSET OPERATING EXPERIENCE

GROUP ACCREDITATIONS

- ISO 9001:2015
- ISO 14001:2015
- ISO 29001:2010
- ISO 45001:2018
- ABS Approved Supplier for UAV
- ABS Remote Inspection Techniques (ROV)
- BV Remote Inspection Techniques
- Vertech IRATA Operator
- LR Thickness Measurements of Hull Structure
- NATA Lifting and Lifted Inspection
- NATA Pressure Vessel Inspection
- NATA NDT Inspection
- CASA UAV Accreditation

**HIGH QUALITY WORK.
FIRST TIME, EVERYTIME.**

GEO OCEANS

Geo Oceans has supported marine infrastructure clients to obtain environmental approvals and construct, develop and maintain jetties, wharves, channels, harbours and renewables infrastructure throughout Australia and internationally for over a decade. Our experience includes designing and implementing survey and monitoring programs for benthic marine habitats and engineering inspections, surveys and intervention tasks for pipelines, jetties, wharves and marine infrastructure.

We develop and deploy industry-leading and award-winning remote technologies, including:

GO VisionsTM benthic habitat mapping and monitoring software and towed underwater camera and Mini ROV hardware used for environmental approvals and compliance monitoring around jetties, harbours, shore crossing pipelines and inshore marine environments;
Mini-ROV CSS - ROV technologies we deploy from wharves or vessels for engineering inspections, subsea cleaning, NDT, and light intervention work around the jetty and wharf infrastructure.

We have a strong team of Marine Science, Subsea Inspection and engineering professionals dedicated to deploying remote subsea survey and inspection technologies to add value to our client projects.

SONOMATIC

Sonomatic is a worldwide organisation whose expertise in ultrasonic inspection design, development and application dates back more than
Thirty years to our roots in the nuclear sector. Today, the company has widened its focus. It provides proven yet pioneering services to customers in defence and power generation. However, our most extensive client base is in the challenging oil and gas industry, both upstream and downstream.

Sonomatic's capabilities for developing software, systems and scanners, often for bespoke applications, coupled with the expertise of our engineers, means we are among the leaders within this highly specialised field.

Sonomatic pioneered the industrial application of a range of widely used inspection methods, e.g. Time of Flight Diffraction (TOFD), and continues with active development of innovative inspection and deployment methods that are applied by our team of experienced field service engineers.

Sonomatic also provides Integrity Services, supporting our clients with planning and evaluating inspections and using advanced statistical methods to maximise the value of data obtained.
Integration of our integrity and inspection services for non-intrusive inspection (NII) benefits the client by allowing vessels and equipment suitable for NII to be identified. It reduces the need for costly plant shutdowns to assess the internal condition.

AUAV

Established in 2013, AUAV has revolutionised Australia's drone inspection, survey, and mapping services. Our distinctive approach includes a dedicated full-time staff, ensuring uncompromised safety, technical expertise, and ISO-certified excellence. With end-to end data control and specialised inSite™ software, we optimise data collection and insights across diverse industries.

AUAV's expertise extends to coastal environments, where we excel in assessing and managing coastal assets. From erosion monitoring to coastal infrastructure assessment, our drone technology offers tailored solutions to unique coastal challenges. Our recent integration with the Vertech Group further enhances our capabilities, combining complementary skills and expanding our service offerings to include underwater inspection, NDT, and rope access.

Driven by innovation and professionalism, AUAV continues to set industry standards. Our commitment to delivering exceptional results, coupled with our comprehensive coastal component and expanded capabilities through Vertech Group, solidifies AUAV's position as a drone inspection, survey, and mapping services leader.

BLUE OCEAN MARINE SERVICES

Blue Ocean Marine Services (BOMS) is a Joint Venture between Blue Ocean Marine Tech Systems and the Vertech Group. With a strong management team and a clear vision, the company is committed to driving positive change across the offshore industry by collaborating with clients and partners to increase efficiencies and lower costs. Combining unconventional thinking and decades of experience, they provide highly effective offshore survey solutions using leading-edge autonomous (unmanned) survey platforms and sensors.

The company's approach is agility and innovation, promptly developing and responding to clients' specific technology needs and project requirements. This approach has seen the company quickly gain the attention of significant clients across various sectors and forge new ways to provide fit-for-purpose, cost-effective data acquisition solutions.

OFFSHORE SERVICES

JETTY 3D DIGITAL TWIN

AUAV's inSite™ is a proprietary web GIS platform for presenting high-resolution 3D models with a linked photo view for asset inspection, measurement and annotation tools, including issue discussion threads, drone and other data sources, satellite data, GIS and BIM overlays.

Clients or 3rd party engineering firms can use the 3D models to create work packs and tenders, manage asset integrity or for general inspection review.

MECHANICAL FITTING

Our multi-disciplinary teams provide high mobility mechanical maintenance, upgrade or repair services on a range of equipment during routine operations, shutdowns, turnarounds or on a call-out basis.

PAINTING & BLASTING

Vertech's fabric maintenance teams provide a range of high-mobility surface treatments and coating system applications, all underpinned by our various access specialisations. In addition to standard or conventional methods, we can apply a range of composite wraps explicitly selected for each scenario and structure.

HAZARDOUS AREA INSPECTION

Our team and electrical partners provide end-to-end electrical solutions, including engineering, design, procurement, installation and repair. Our electrical specialisation focuses on Ex hazardous area inspections, testing, compliance and installations with a custom-built management system with RFID capability.

ACCESS MANAGEMENT

Vertech was a pioneer of rope access in Australia. We imported the first decking systems to the Asia Pacific region and were responsible for designing and installing the first offshore safety netting and tension netting systems in Australia. Our team is also highly experienced in installing scaffold and custom access platforms on oil and gas sites, having done so across the country.

WELDING & BOILER MAKING

We offer various site welding services, including welding procedure qualifications (WPS/ PQR/WQR), QA/QC, and NDT verification. Our teams have completed liner replacements, bin repairs, structural repairs, jetty weld refurbishment and equipment modification work.

MAINTENANCE

INSPECTION

NON DESTRUCTIVE TESTING

Vertech Group are certified to ISO 17025 as an NDT inspection body by the National Association of Testing Authorities (NATA). Our NDT inspection personnel are highly qualified, skilled and experienced in the application of conventional and advanced inspection and testing methods.

UAV & REMOTE DIGITAL VISUAL INSPECTION (RDVI)

Vertech was the first Australasian company accredited for ABS and Lloyd's registered UAV inspections. Our fleet of UAVs is capable of extensive land mass survey and mapping, jetty surveying, process, plant and structural inspection and confined space inspections.

Our RDVI Division has an active partnership with GE Inspection Robotics to offer cutting-edge RDVI inspections. Our team combines proprietary tools and systems with the latest crawlers and advanced camera systems to eliminate the risk of confined space entry.

API & AICIP INSPECTION

Vertech provides comprehensive inspections of pressure piping and pressure vessels. Our SMEs are trained in applying Australian and NZ in-service standards such as AS3788, AS4343 and AS1210. Our team is also qualified in API codes such as API 510, API 570, and API 579 and ASME codes ASME B31.3 and ASME B16.5.

MINI ROV INSPECTION

Through our wholly-owned subsidiary Geo Oceans, we deliver detailed structural inspections, post-cyclone surveys, NDT and other detailed environmental or industrial Inspections with Mini Remotely Operated Vehicles (Mini-ROV). We can remove the risk, cost, and time associated with diving operations by deploying from the shore, jetty, or nearby structures.

AUTONOMOUS UNDERWATER VEHICLE (AUV)

AUVs are unmanned vehicles that navigate deep seas autonomously. They are used offshore for seabed mapping, pipeline inspection, and more. AUVs are a safer, cost-effective, and time-efficient alternative to traditional methods. They reduce the need for human divers in potentially hazardous environments. AUVs provide high-resolution data for accurate decision-making in various projects. The deployment of AUVs ensures enhanced safety and sustainability in ocean-based industries.

MARINE INFRASTRUCTURE PROJECT EXECUTION & EXPERIENCES

DAMPIER SALT JETTY REFURBISHMENT & DECKING

Vertech, in collaboration with Rio Tinto, Marubeni Corporation, and Sojitz, designed an innovative access system for the DSL jetty in Western Australia. The system focused on environmental safety and efficiency, primarily used to remove lead-based paint. The scope of work included NDT, sponge jet paint blasting, rope access, and steelwork replacement.

To minimise environmental impact, the suspension deck provided a fully enclosed area for blasting and painting. The sponge jet technology safely removed hazardous coatings using reusable blast media continuously recycled via a vacuum recovery system. The project had a minimal environmental impact and no disruption to jetty operations, with airborne contaminant levels kept well below national standards.

This innovative approach ensured continued salt production by DSL, the world's largest seaborne salt exporter, without any loss of production.

AUV DEBRIS SURVEYS

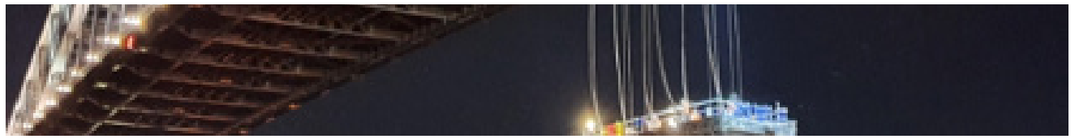
The Dampier Fuel Berth in Western Australia is a crucial refuelling station for marine vessels and is integral to Rio Tinto Iron Ore's operations. It contributes significantly to the Australian economy by ensuring efficient resource transportation.

To ensure safety and operational integrity, the project introduced new survey methods that use the L3Harris OceanServer Iver3 Autonomous Underwater Vehicle (AUV) and the Innomar Compact Sub-Bottom Profiler. The AUV collected crucial sub-surface data at two key locations, reducing risks associated with underwater diving and enhancing safety.

Adopting AUV technology proved more practical and financially viable, setting a new standard in maritime survey efficiency. The successful debris survey completion represents a significant advancement in marine survey technology, showcasing the effectiveness of AUVs in complex underwater explorations and establishing a new benchmark for future projects.

KGP - BERTH 3 CATWALK REMEDIATION

Vertech conducted a comprehensive structural inspection of an LNG loading jetty, which involved an initial GVI followed by a CVI and NDT. The project had two phases: early works and primary works. In the main works phase, innovative access solutions such as web decking, engineered decking, and encapsulation systems were employed using IRATA Rope access techniques. The project involved rigging support, stabilising loading arms, confined space entry for NDT, full mechanical contractor role for removing old rope rails, replacement and installation of new emergency ladders, and complete mechanical contractor role for removing and replacing fenders. The project was a success, offering a more cost-effective solution compared to traditional methods and setting new standards for similar future activities.



SYDNEY HARBOUR BRIDGE

APS was awarded a significant multi-year contract for a comprehensive project on the heritage-listed Sydney Harbour Bridge, set to near completion in the third quarter of 2023. This extensive 3-year project involved the provision of access platforms, along with associated engineering, rigging, scaffolding, and other comprehensive access services crucial for the underside remediation, repair, and coatings of the bridge.

Central to the success of this project was APS's Suspended Access Platform system, utilised by a Tier 1 construction provider. This system was pivotal in intricate inspections, remediation, repairs, and maintenance services on this NSW Major Bridge. Notably, the project required access solutions for the bridge's above-ground and overwater sections, presenting unique challenges that APS successfully addressed.

A key aspect of APS's involvement was the close collaboration between their design and manufacturing teams and the client. This partnership was instrumental in ensuring that each modular decking system was specifically optimised to meet the unique needs of the Sydney Harbour Bridge project.

Moreover, APS was responsible for managing various logistical tasks associated with the platforms. This included the initial transport and logistics planning, alongside the delivery, erection, relocation, lowering, and eventual dismantling of the platforms. Their comprehensive approach and attention to detail in managing these elements were critical in facilitating the smooth and efficient progression of the restoration works on this iconic structure.

3D DRONE MODELLING PROJECT

AUAV, a Melbourne-based UAV and 3D modelling company, completed a detailed 3D modelling project of a jetty for a major mining operator. The project, conducted in two phases, involved using drones and camera sensors to create a comprehensive 3D model covering the jetty's entire structure. Initially focusing on the jetty's tail-end, AUAV then captured additional data during a shutdown, merging these into a final model delivered through their inSite™ web platform within 4-6 weeks.

This project showcased AUAV's use of advanced UAV technology and camera sensors for high-precision 3D modelling, with the InSite platform playing a pivotal role in managing and visualising the data. Emphasising their commitment to innovation, AUAV leveraged partnerships with technology leaders and research bodies, setting new industry standards in drone-based 3D modelling. The project significantly improved data capture and analysis for their client, offering cost savings and enhanced decision-making across various sectors.

DARWIN HARBOUR WHARF EXPANSION CORAL MONITORING

The Wharf Expansion Coral Monitoring Project in Darwin Harbour needed a robust monitoring program to assess potential impacts on coral and filter-feeder communities. Geo Oceans developed a quantitative benthic monitoring program using a novel diverless methodology that received approval from regulators for its compliance with environmental standards. The program used GO Visions software and hardware to inspect ten monitoring sites, allowing for an in-depth analysis of the environmental impact at various project stages. The data was subjected to rigorous statistical analysis. The monitoring program was successfully implemented, meeting the satisfaction of all stakeholders and ensuring a sustainable approach to assessing and managing the environmental impact of the wharf expansion.

GEO OCEANS

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 Class 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 & 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.

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.

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.

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).

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SONOMATIC

SUBSEA INSPECTION

Sonomatic Subsea is a leading provider of advanced subsea inspection technologies, including ROV and diver-deployed robotic systems. With 30+ 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

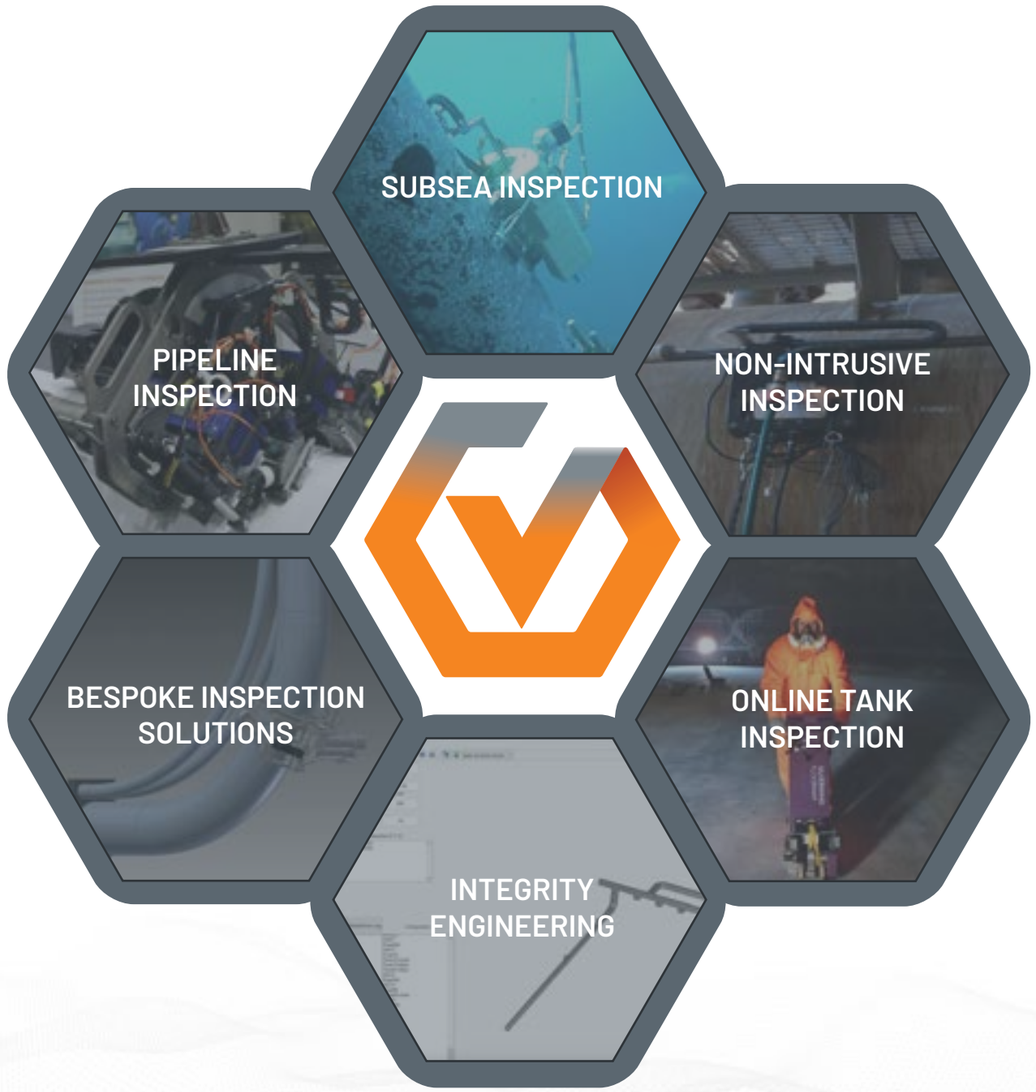
Sonomatic specialises in pipeline inspections to deliver high-quality data. We offer topside and subsea services to ensure pipeline integrity. We provide innovative statistical analysis methods to help operators make informed decisions regarding pipeline inspection and integrity assessments.

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.

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 software.

This can range from the total planning-to-reporting package offered by our Integrity Support Services division to one-off inspection reports by specialist engineers using the most sophisticated and advanced flaw detection methodologies.



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 organizations aiming to eliminate vessel entry by 2026.

TANK CLEANING & 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.

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 advanced, non-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.

AUAV

AERIAL SURVEY & MAPPING

AUAV offers top-tier aerial surveying and mapping services using state-of-the-art drones and skilled surveyors. We aim to provide the highest quality results with centimetre-level accuracy, enabling our clients to make agile decisions. Our maps and survey data have a 1-3cm resolution per pixel, and our 3D terrain models are accurate to approximately 50mm horizontally and 50-80mm vertically.

3D DIGITAL TWINS (InSite)

AUAV's InSite software is a cloud-based drone data presentation and asset inspection platform. Its features include 3D site capture, integration with other systems, customisable options, and versatile data display capabilities. The software is geared towards clear data capture, essential for in-depth analysis and informed decision-making in drone operations and data processing services.

DETAILED CLOSE VISUAL INSPECTION

Drones are crucial for detailed, safe, and efficient visual inspections in infrastructure maintenance, construction, and energy. With high-resolution cameras and advanced stabilisation technologies, drones can inspect structures like bridges, wind turbines, and high-rise buildings, reducing the need for human inspectors in dangerous or hard-to-reach areas. The agility of drones captures a wide range of angles and perspectives, providing comprehensive visual data that speeds up the inspection process, increases accuracy, and improves maintenance decisions. Using drones exemplifies the integration of technology in modernising and optimising industrial and maintenance practices, making them safer, more efficient, and cost-effective.

LIDAR

Drone-based LiDAR is an aerial surveying technique for generating point cloud data for topographical surveys. AUAV has extensive experience in collecting, processing and delivering LiDAR data for mining, engineering power sector and environmental clients. With hundreds of points per square meter, the data is beneficial for surveying areas with vegetation, analysing power line infrastructure and landslip analysis.

THERMAL

Aerial thermography provides an efficient method for capturing temperature anomaly data over large areas. Typical uses include the identification of underground fires, solar farm defects, gas leaks and potential water ingress behind concrete structures. The most widespread use of drone-based thermal capture is on grid-scale solar assets, where data on up to 700,000 panels can be captured in a week.

AERIAL PHOTOGRAMMETRY

Photogrammetry is the term used for creating very accurate 3D data from photographs. This is a speciality of AUAV, where our team routinely captures and processes models with 100,000 high-resolution images to create digital twins of assets. These digital twins have resolutions between 1cm and 1mm, enabling the engineering inspection of assets, tendering for remediation or demolition, facilitating design works or various virtual reality applications. AUAV have developed a bespoke online platform, inSite,

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BLUE OCEAN MARINE SERVICES

SITE INVESTIGATION

We deliver comprehensive site investigation and appraisal services, including detailed surveys and advanced monitoring systems. We specialize in habitat mapping and use autonomous underwater vehicles (AUVs) equipped with the latest sensors and imaging technology to conduct thorough surveys, even in inaccessible marine environments. Our commitment to providing accurate, actionable data for marine projects sets us apart.

SUBSEA POSITIONING

We utilise advanced Ultra Short Baseline (USBL) systems to accurately control and manage AUV surveys. These systems determine the position of dynamic subsea targets by transmitting and receiving acoustic signals between a submerged transceiver and a target beacon. Our services extend beyond supporting our AUV activities and provide precise navigational and positional support for various other applications, including ROV inspection, sediment and water sampling, drop-camera surveys, towed instrumentation surveys, and search and recovery exercises.

METOCEAN SURVEYS

Blue Ocean Marine Services offers a comprehensive metocean service for offshore projects. Our specialised monitoring services cater to shallow and deep marine environments, evaluating directional waves, currents, water quality, and more. We provide water level monitoring, advanced weather forecasting, sediment sampling, and real-time monitoring systems, ensuring up-to-date data for immediate decision-making. Our services also include visual surveys and hydrographic surveys to map underwater topography. All our services are tailored to deliver detailed and reliable metocean data for our clients' offshore projects.

REGULATORY COMPLIANCE

Increased marine activity and environmental accountability have increased the demand for ocean monitoring programs. Ocean robotic platforms have proven highly effective in enhancing ocean survey techniques. Blue Ocean Marine Services has executed numerous data acquisition campaigns to ensure offshore compliance. Our services include PFW discharge monitoring, dredging and spoil disposal monitoring, PAM, UXO surveys, water and sediment testing, scour monitoring, real-time monitoring, and data harvesting.

SUBSEA INSPECTION

Blue Ocean Marine Service offers cost-effective and efficient subsea inspection surveys using Autonomous Underwater Vehicles (AUV) and Remotely Operated Vehicles (ROV). These portable technologies require only a small specialist team and can be mobilised quickly. Our successful pipeline inspections demonstrate that these vehicles can deliver exceptional survey results while reducing project costs, schedules, logistical efforts, and risks. Our subsea inspection services include pipeline inspection, infrastructure position surveys, cable route surveys, leak detection surveys, general visual inspections (GVI), and scour monitoring.

EMERGENCY RESPONSE

Blue Ocean Marine Services provides efficient emergency response services for environmental and infrastructural crises. Our expert technicians are trained for rapid deployment, while our AUV fleet enables quick mobilisation. Our services include oil spill response, infrastructure surveys, and pollution monitoring. We also provide scour monitoring and water and sediment testing for thorough environmental assessment. Our emergency response offers comprehensive solutions for safeguarding the environment and marine infrastructure.

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