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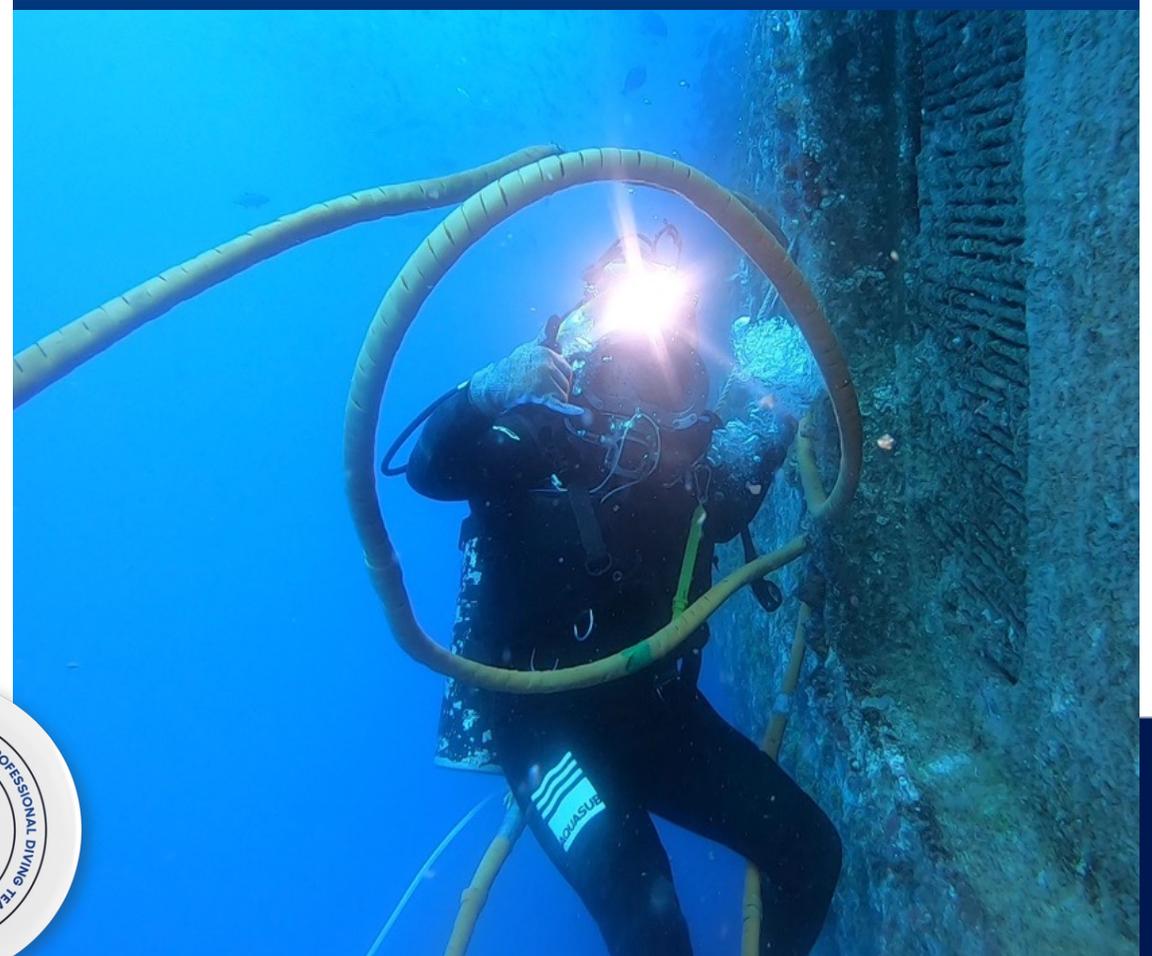


UNDERWATER SOLUTIONS
**Underwater inspection,
maintenance and repairs**



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AQUASUB Underwater Inspection, Maintenance and Repairs

Experienced in underwater maintenance and repairs, with expertise in research, consultancy, planning, and project execution, **AQUASUB** delivers efficient and effective solutions based on the following principles: Safety, Agility, Quality, and Environmental Responsibility.

Approved by major classification societies, **AQUASUB** consistently ensures the quality, safety, and integrity of its operations, fostering effective communication and strong relationships between all stakeholders to achieve optimal results.

Committed to continuous improvement, **AQUASUB** establishes partnerships with highly qualified companies, combining knowledge, innovation, and technical excellence to fulfill its mission.

Certified Company:



Mission

SAFETY, SPEED, QUALITY, AND ENVIRONMENTAL RESPECT in professional diving services – ensuring client satisfaction, environmental protection, and operational excellence.

Solutions

- Intermediate inspection without dry-docking (UWILD).
- Underwater Survey (IWS).
- Owner's Underwater Inspection.
- Non-Destructive Testing (NDT).
- Thruster Replacement.
- Installation and Replacement of Sacrificial Anodes.
- Biofouling Survey and Removal.
- Hull Cleaning and Propeller Polishing.
- Safety, Environment and Health.
- Environmental Consulting and Projects.
- Scientific Research Support.



UNDERWATER SOLUTIONS



AQUASUB Team

AQUASUB Team

At **AQUASUB**, there is no greater asset than its people. The team operates under a strict internal code of conduct founded on discipline, respect, and ethics, ensuring professional relationships with clients and suppliers.



PROFESSIONAL
**Diving
Team**

Prepared for Fast and Safe Operations





Technical Leadership

Marcius Mendonça

COMMERCIAL DIRECTOR



With over 30 years of experience in commercial diving, Marcius has built an exemplary career as diver, supervisor, and later superintendent of diving operations. He has led major thruster exchange, salvage, and propeller repair projects, including blade balancing, cutting, and replacement, as well as drill stop crack interventions and underwater structural works.

Vinícius Rigon

OPERATIONAL DIRECTOR



With over 20 years of professional diving experience, Vinícius has served as visual inspector and dive supervisor, leading underwater operations such as salvage, thruster exchange, class inspections, underwater welding and cutting, and structural repairs. He is a BV-certified welder, qualified in NDT (ultrasonic, magnetic particle, electrochemical potential, and visual inspection), and certified in Subaquatic Medical Emergencies (EMED).

Humberto Montezuma

PROJECT MANAGER



With 19 years in the industrial sector and 15 in the naval industry, Eng. Montezuma holds degrees in Industrial Engineering and Occupational Safety Engineering, and postgraduate degrees in Naval & Offshore Engineering and Production and Project Management. His experience covers maintenance planning and execution in underwater, surface, and field environments, including thruster replacements on drillships and semisubmersible platforms.



Organizational Chart



UNDERWATER SOLUTIONS



Scope of SOLUTIONS

Underwater Visual Inspection

AQUASUB performs advanced underwater visual inspections using professional divers and ROV technology.

All operations include audio and video recording, with real-time transmission for surveyors and crew, ensuring compliance with safety and remote monitoring protocols.

- Underwater inspection (IWS);
- Intermediate, non-docking inspection (UWILD);
- Underwater inspection for the shipowner;
- Inspection for identification and qualification of exotic and non-exotic biofouling.



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Non-Destructive Testing (NDT)

Aligned with the most advanced underwater inspection procedures, **AQUASUB** employs calibrated, state-of-the-art equipment and qualified personnel.

- Ultrasonic Thickness Measurement.
- Magnetic Particle Testing.
- Electrochemical Potential Measurement.



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Thrusters Replacement

AQUASUB performs thruster removal, reinstallation, and replacement on vessels and offshore platforms using certified teams and precision equipment.

Focusing on safety, speed, and international compliance, the company ensures efficient operations with minimal downtime.

Key Activities:

- Unit disassembly and inspection.
- Interface cleaning and preparation.
- Seal replacement and shaft alignment.
- Assembly, testing, and final certification.



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Installation and Replacement of Sacrificial Anodes

AQUASUB specializes in installation and replacement of sacrificial anodes on new, refurbished, or modified units. Operating under a turn-key model, the company provides end-to-end solutions – from feasibility assessment to final reporting – ensuring efficiency, safety, and full compliance with classification society requirements.

Main Scope:

- Technical planning and supervised execution.
- Qualified underwater welding.
- Supply of materials and skilled labor.
- Detailed technical and photographic reports.
- Real-time work transmission.



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Hull Cleaning and Propeller Polishing

AQUASUB provides hull and propeller cleaning services following [NORMAM-401/DPC](#) standards.

Using manual and hydraulic tools, the process removes hard and soft fouling, as defined by client requirements, reaching full polishing level when requested.

Benefits include fuel consumption reduction, hydrodynamic performance improvement, extended propeller lifespan, and corrosion prevention, contributing to environmental efficiency and sustainable operations.



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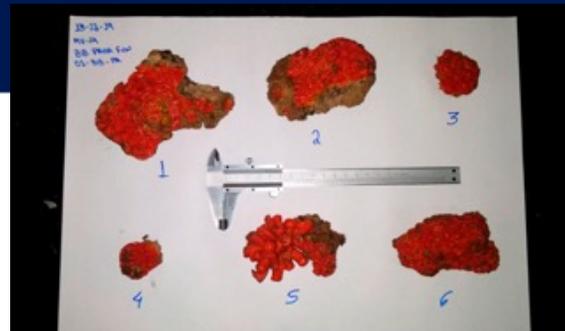


Lifting and Removal of Biofouling

- Survey with divers and/or ROV;
- Quantitative and qualitative analysis (mobile laboratory);
- Preparation of a plan for the removal and final disposal of waste (with traceability);
- Monitoring of the process with biologists accredited by IBAMA and INEA;
- Issuance of ART, CTF and "Certificate of Hull Free of Sun Coral".



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Safety, Environment and Health

AQUASUB has extensive experience in locating and developing salvage plans for sunken vessels or equipment, always focusing on its core principles:

- Operational safety;
- Oil spill control;
- Mitigation of environmental impacts;
- Safeguarding assets.



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Consulting and Environmental Projects

With a multidisciplinary team that includes experienced professional divers, biologists, engineers, and occupational safety professionals, **AQUASUB** is equipped to carry out work in the naval and environmental sectors, in both onshore and offshore markets, as well as providing hydrographic support and general underwater work.

- Environmental Consulting with Technical Responsibility;
- Quality Management;
- Waste Management;
- Environmental Monitoring;
- Corporate Sustainability;
- Environmental Licensing.



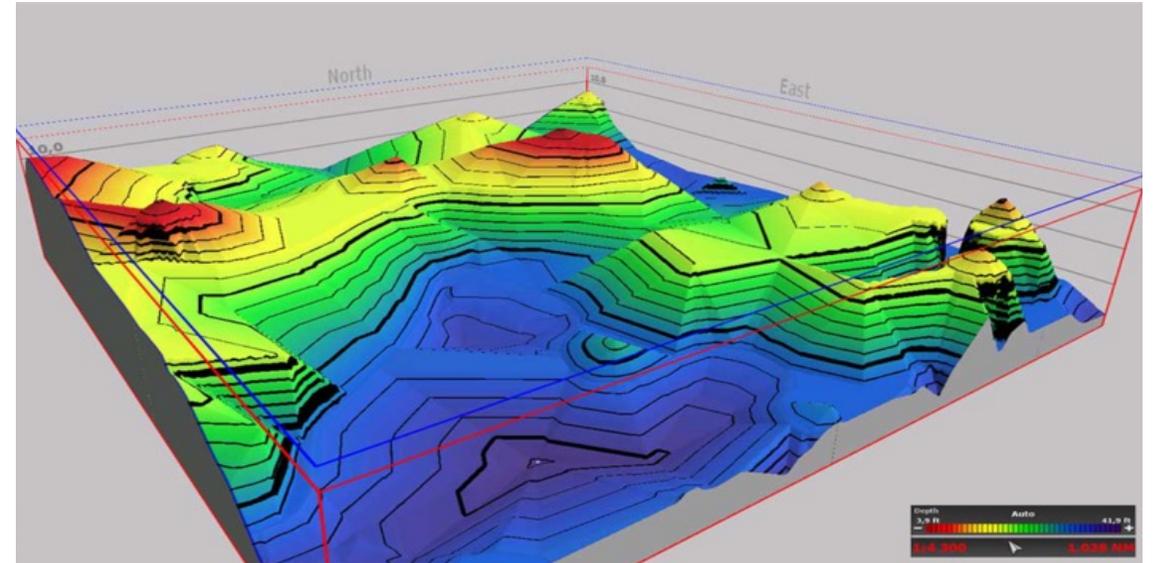
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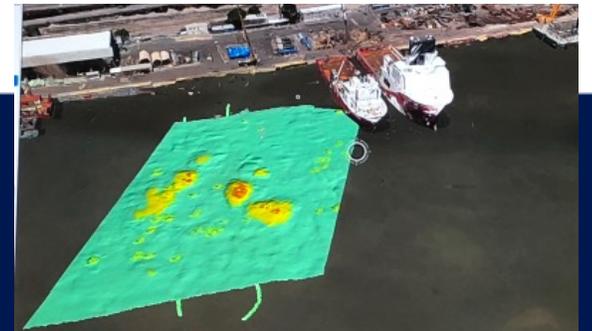
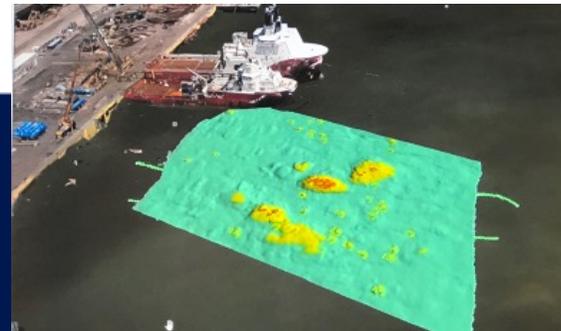
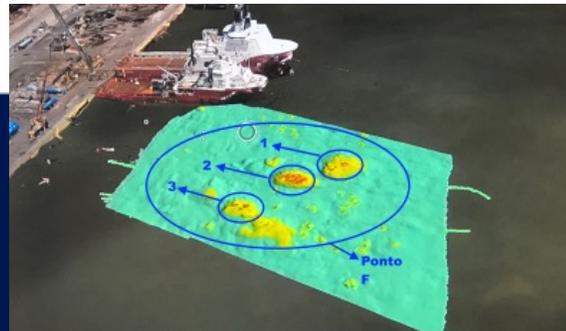
Support for Scientific Research

AQUASUB offers specialized technical support for scientific research projects in underwater and coastal environments. With an experienced team and high-precision equipment.

- Technical support for underwater and coastal research projects;
- Bathymetry and seabed mapping;
- Air Lift survey and dredging;
- Low-impact rock demolition;
- Feasibility studies for submarine pipelines and cables;
- Execution with technical rigor and respect for environmental regulations.



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Support VESSELS



Support Vessels

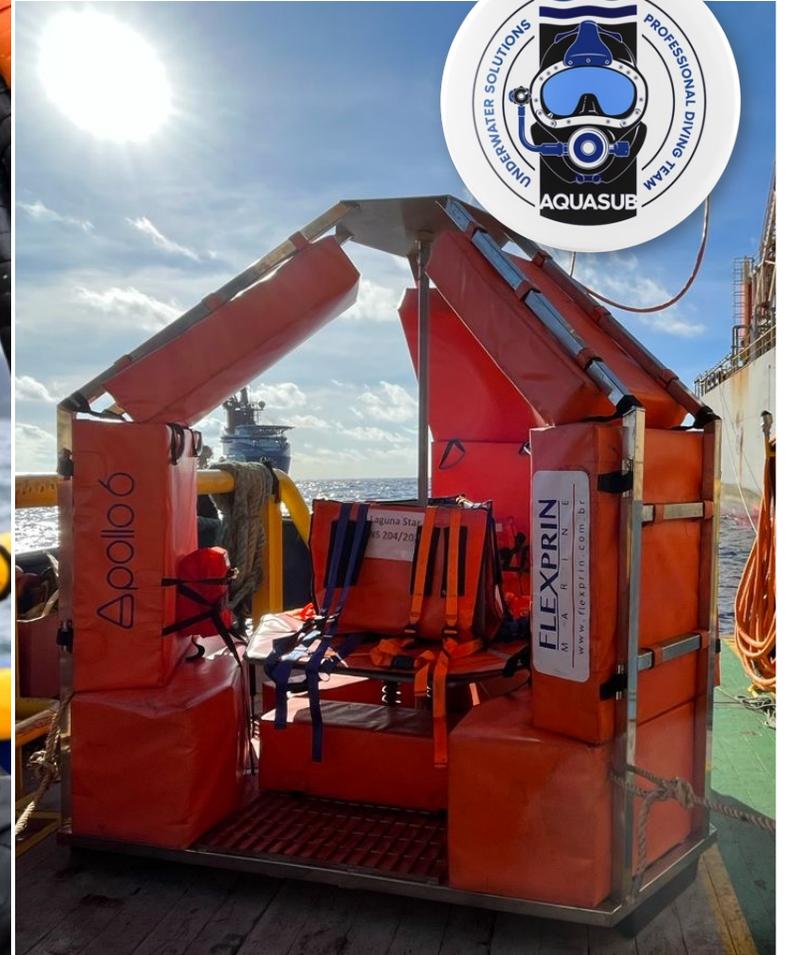
AQUASUB operates two fully equipped support vessels designed for safe and efficient underwater operations.

Main features:

- Complete diving systems with communication and air supply.
- Hyperbaric chamber for emergency and decompression.
- Hydraulic cranes and winches for heavy lifting.
- Technical workspace and equipment storage.
- Crew accommodation and logistics area (POB = 16, excluding crew).
- Waterjet propulsion for coastal and offshore operations.



Diving Operations Fast, Safe and Efficient



UNDERWATER SOLUTIONS



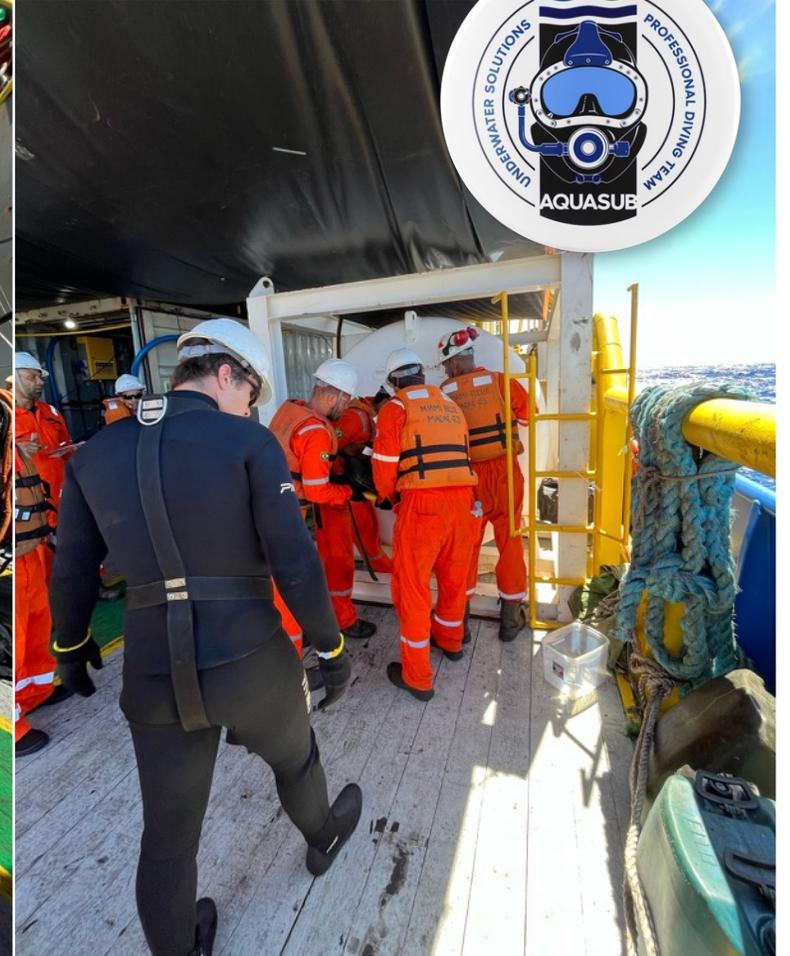
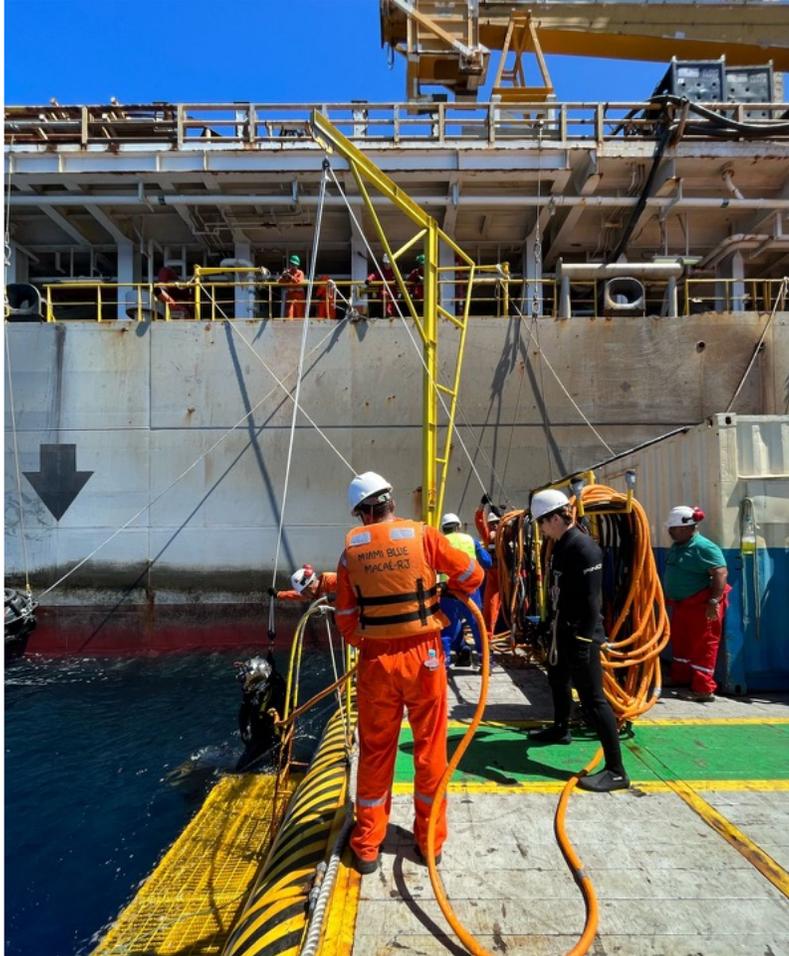
Knowledge & SAFETY

Investing in Knowledge and Constant Updates

AQUASUB continuously invests in technical and operational training, with regular safety drills and procedure updates, ensuring safe, efficient, and fully compliant operations aligned with classification society and Navy standards.



Pre-Operational Emergency Simulations





Facilities & OPERATIONAL STRUCTURE

Facilities and Operational Structure

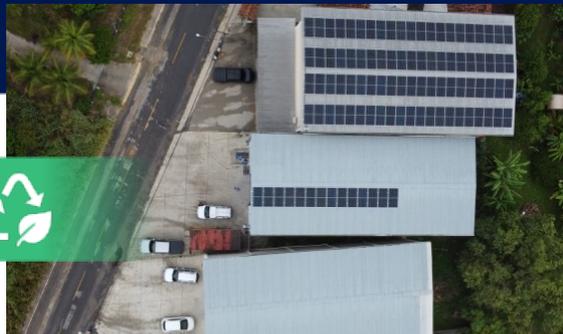
AQUASUB has modern and complete facilities, designed to efficiently meet the demands of underwater operations, maintenance, and offshore inspection.

Its operational base has spacious warehouses equipped with overhead cranes, technical workshops, storage areas, and assembly areas for diving equipment, ensuring total control over each stage of the projects.

With this structure, **AQUASUB** ensures agility, reliability, and high technical standards, consolidating itself as a company prepared to handle large-scale operations with managerial and operational excellence.



Energy
Self-Sufficiency



Diving equipment Modern and up-to-date



Success Cases

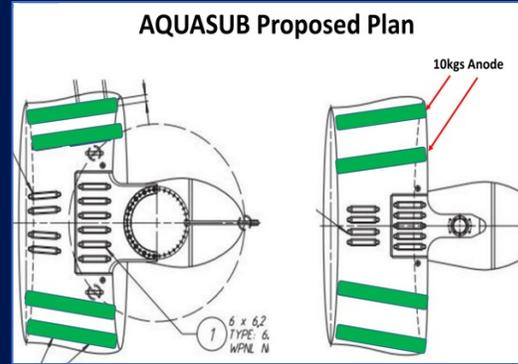
Check out some success stories from various underwater solutions projects that **AQUASUB** has carried out throughout its history.



New installation of sacrificial anodes

AQUASUB is equipped to execute anode installation plans for new, renovated, or altered units...

[Read More](#)



Replacement of sacrificial anodes

AQUASUB is the ideal partner for turnkey sacrificial anode replacement projects. It is prepared...

[Read More](#)



Underwater Visual Inspection - MiniROV

AQUASUB is equipped to perform underwater visual inspections, boasting a team of highly skilled divers and state-of-the-art technology...

[Read More](#)



Successful Partnerships



OCEAN RIG



Sapura



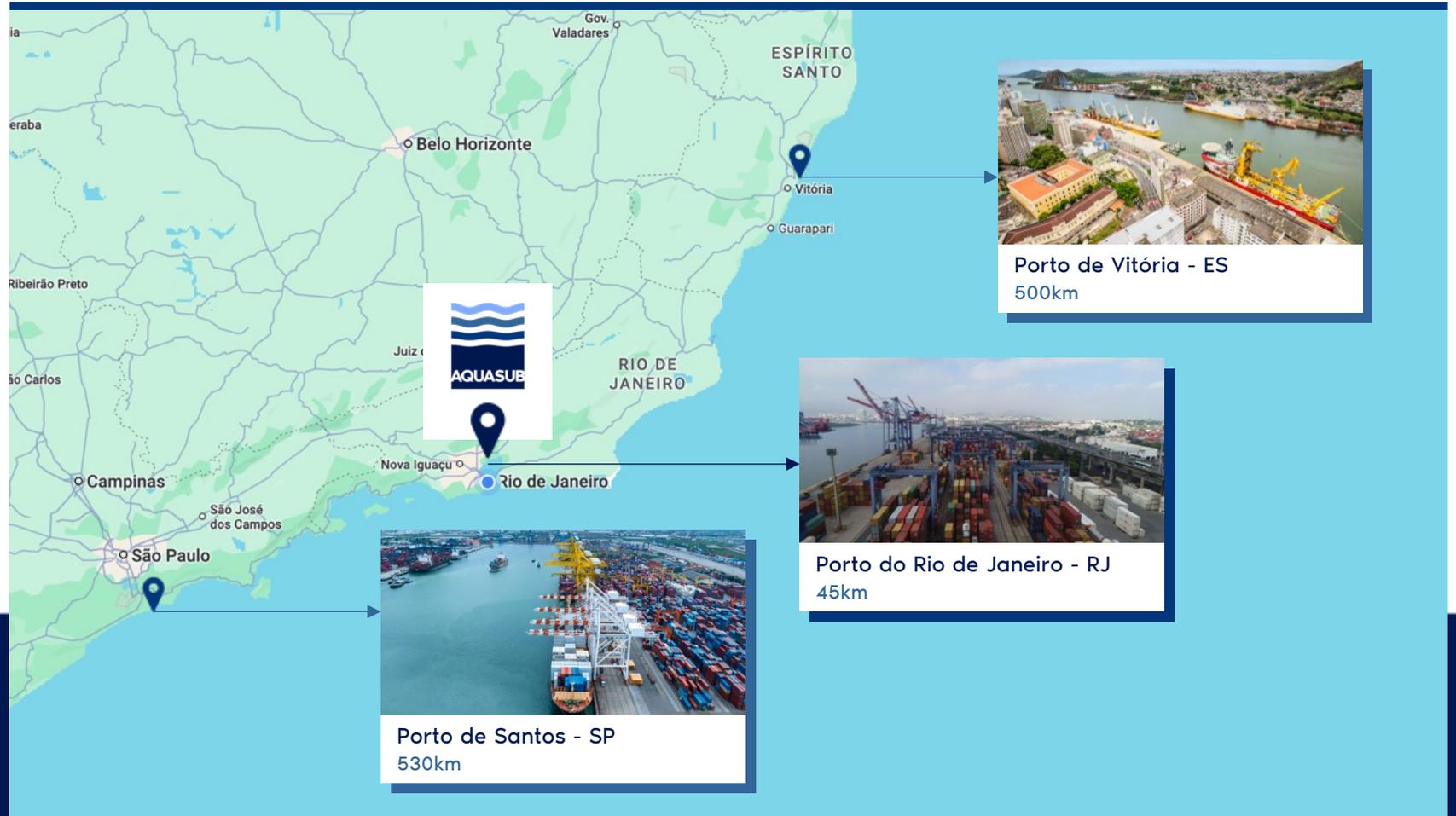
Strategic location AQUASUB

AQUASUB is strategically located near the Port of Rio de Janeiro and between two other high-traffic ports in Brazil:

- Port of Santos - SP;
- Port of Vitória - ES.

AQUASUB

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Thanks you



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