TECHNOLOGY PARTNERS INTERNATIONAL GROUP

Marine & Underwater Services



Underwater Inspection & Survey Services

ROV inspection, testing and seabed survey for offshore, coastal and inland water assets.

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Every finding tied to the place it came from.

Our remotely operated vehicles carry cameras, imaging sonar and measurement tools to submerged steel, concrete and seabed. Pilots hold position for close work, mark each observation against a component, route section, hull zone or survey station, and log anything that could not be reached.

You get a record your team can act on now, and a baseline to compare against at the next campaign.

Cleaning at up to 500 bar

A cavitation water jet clears marine growth from test points and connections, at a pressure suited to the coating.

Sizing on screen

Scaled images and a live on-screen ruler let us measure a feature during the dive or mark it for later.

Sonar in murky water

Imaging sonar keeps the structure in view when visibility drops.

Long, steady runs

Surface-supplied power and position holding keep the vehicle on station for close-ups.



Six services, one way of recording.

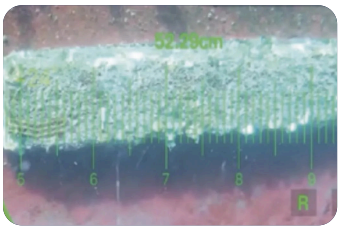
Each service has its own brochure with full scope, deliverables and limits.



Offshore & Subsea Asset Inspection

ROV condition surveys of jackets, subsea equipment, risers and moorings, with every observation tied to an identifiable component.

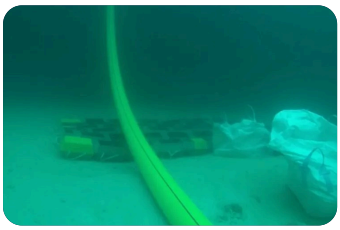
p. 4



NDT & Corrosion Assessment

Ultrasonic thickness readings, cathodic protection surveys and measured corrosion evidence for submerged steel.

p. 4



Pipeline & Subsea Cable Inspection

Route-referenced inspection of exposed pipelines, power and telecom cables, crossings and protection systems.

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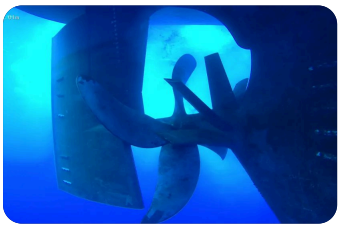
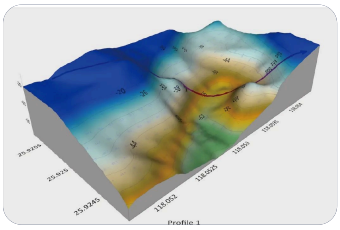


Vessel Hull & Marine Structure Inspection

Underwater surveys of hulls, propellers, sea chests, jetties, bridge foundations and dam intakes, indexed by zone or member.

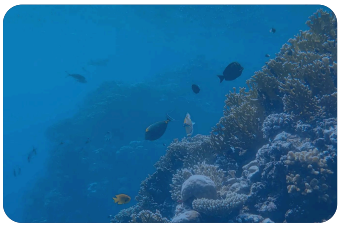
p. 5



Bathymetric & Seabed Surveys

Positioned depth surveys, terrain models, scour checks and volume calculations for ports, reservoirs, crossings and offshore sites.

p. 6



Environmental & Ecological Surveys

Repeatable video transects, habitat observations, water-quality profiles and sampling support for EIA, EES and marine monitoring.

p. 6



Offshore & Subsea Asset Inspection

ROV condition surveys of jackets, subsea equipment, risers and moorings, with every observation tied to an identifiable component.

Used for routine condition monitoring, maintenance campaigns, post-storm or post-incident assessment, pre-work and post-work verification, and decommissioning planning.

- Platforms and jackets
- Wellheads and subsea systems
- Risers and jumpers
- Buoys and moorings
- Umbilicals and control lines
- Anodes and protective systems



NDT & Corrosion Assessment

Ultrasonic thickness readings, cathodic protection surveys and measured corrosion evidence for submerged steel.

Used for exposed steel pipelines, vessel hulls, platform members, risers, manifolds, steel piles and other accessible submerged components. What we can test depends on material, geometry and surface condition.

- Ultrasonic thickness gauging
- Cathodic protection surveys
- Sacrificial anode inspection
- Coating condition assessment
- Corrosion defect documentation
- Pre-NDT water-jet cleaning



Pipeline & Subsea Cable Inspection

Route-referenced inspection of exposed pipelines, power and telecom cables, crossings and protection systems.

Used for offshore flowlines, exposed export pipelines, power and telecom cables, river and creek crossings, and coastal approaches.

- Exposed pipeline inspection
- Free spans and supports
- Crossings and interfaces
- Subsea cable inspection
- Cable and pipeline protection
- Incident and installation checks

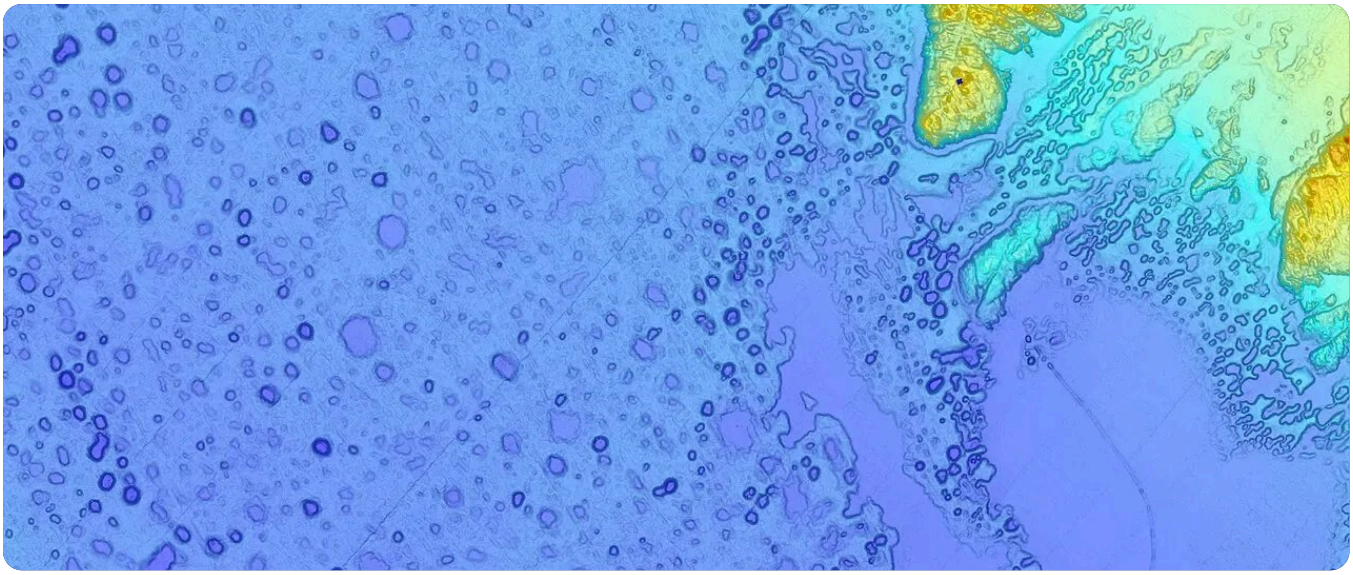


Vessel Hull & Marine Structure Inspection

Underwater surveys of hulls, propellers, sea chests, jetties, bridge foundations and dam intakes, indexed by zone or member.

Used for routine condition surveys, maintenance planning, grounding or collision assessment, pre-purchase and charter survey support, post-flood inspection, and pre-work or post-work verification.

- Hull and coating surveys
- Propellers, rudders and thrusters
- Sea chests and external fittings
- Jetties, quays and marine piles
- Bridges and coastal structures
- Dams, reservoirs and water assets



Bathymetric & Seabed Surveys

Positioned depth surveys, terrain models, scour checks and volume calculations for ports, reservoirs, crossings and offshore sites.

Used for offshore structures, ports and berths, intakes and outfalls, bridge foundations, reservoirs, pipeline crossings and coastal works.

- Local bathymetric surveys
- Profiles and terrain models
- Scour and erosion surveys
- Reservoir capacity and sedimentation
- Dredging assessment support
- Seabed features and obstructions



Environmental & Ecological Surveys

Repeatable video transects, habitat observations, water-quality profiles and sampling support for EIA, EES and marine monitoring.

Used for offshore energy facilities, ports and dredging projects, coastal developments, intakes and outfalls, aquaculture sites and restoration areas, for baseline studies and operational or seasonal monitoring.

- Environmental studies video transects
- Seabed habitat observations
- Fish and biodiversity surveys
- Water-quality profiling
- Targeted sampling support
- Impact and restoration monitoring

What lands on your desk

Deliverables follow the agreed asset list, coverage and measurements. Every report states what was covered and what was not.

Inspection evidence

Annotated stills and video indexed by asset, hull zone, station or route section.

Findings and measurements

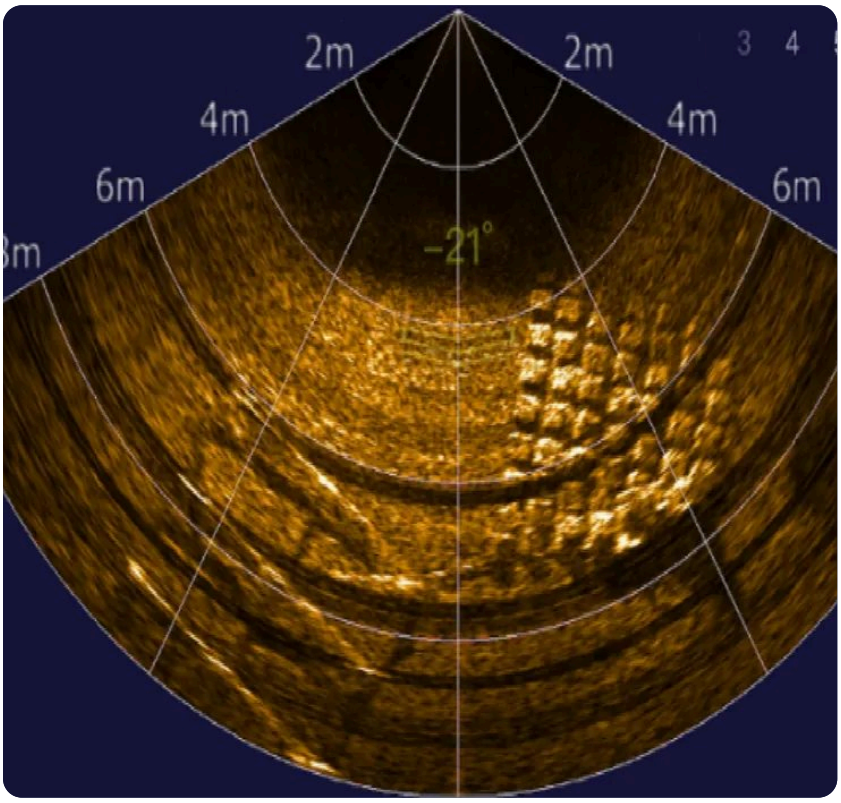
Anomaly registers, defect dimensions and test readings linked to their locations.

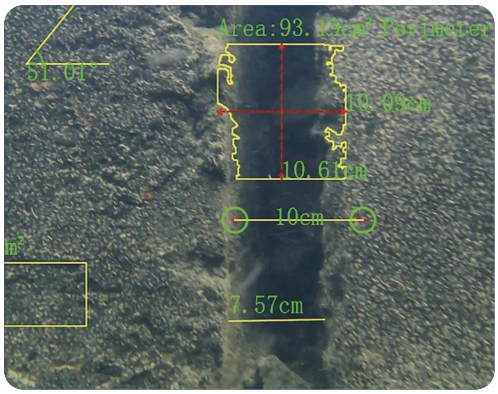
Survey and monitoring data

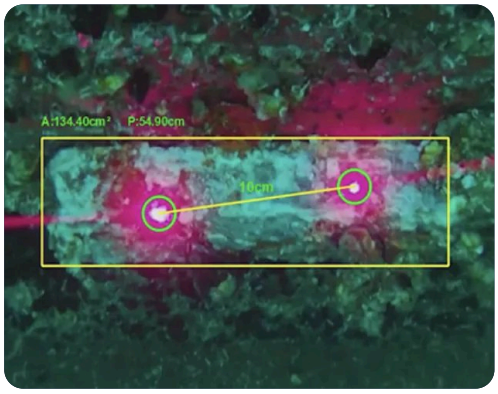
Depth plans, terrain models, transect logs and environmental field records.

Technical report

Methods, coverage, data quality, limitations and findings for follow-up.







Where we work

- Offshore oil and gas facilities
- Export pipelines and flowlines
- Power and telecom cables
- Ports, jetties and quay walls
- Vessels and floating assets
- Bridges and coastal defences
- Dams, reservoirs and intakes
- EIA, EES and marine monitoring



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