

TECHNOLOGY PARTNERS INTERNATIONAL GROUP

Marine & Underwater Services

Vessel Hull & Marine Structure Inspection

Hulls, propellers, jetties and intakes inspected in the water, zone by zone.

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We examine accessible submerged surfaces and components to document damage, deterioration, fouling and obstruction. Each inspection follows an agreed asset list, coverage plan and reporting format.

Once safe access and isolation are agreed, pilots work undersides and vertical faces at a controlled stand-off. Findings are indexed by hull zone, fitting or pile, so close-ups can be compared and repair areas found again.



What we cover

Hull and coating surveys

We document damage, coating loss and marine growth by hull zone. Targeted cavitation cleaning runs at up to 500 bar, at a pressure suited to the coating.

Propellers, rudders and thrusters

We inspect accessible propellers, rudders and thrusters for blade damage, deformation, fouling and entanglement.

Sea chests and external fittings

We examine grilles, intakes, outlets and fittings for damage or obstruction that needs maintenance.

Jetties, quays and marine piles

We inspect piles, braces, connections and sheet piles, and report coating-loss area by pile or member where a scaled image supports it.

Bridges and coastal structures

We document visible defects, foundation exposure and signs of undermining at bridge elements, seawalls and revetments.

Dams, reservoirs and water assets

We inspect submerged gates, trash racks, intakes and accessible surfaces in water-filled storage assets.







Where it is used

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.

Measurement and follow-up

Selected scopes can include steel thickness gauging, CP potentials and defect dimensions. UWILD and in-water survey support follows the applicable class requirements, surveyor attendance and supplier acceptance.

Scope and limits

Inspection depends on safe access, visibility and operating conditions. Class acceptance, structural capacity assessment and commercial survey opinions need the relevant approvals or separately appointed specialists.

What you receive

Annotated video and images

Organised footage and selected stills, referenced to the vessel components or structure inspected.

Coverage and observation record

Areas inspected, visible defects, features that could not be reached and any incomplete coverage.

Specified measurement results

Dimensional, thickness or CP readings where included, with test-location and method references.

Technical inspection report

Findings and recommendations for maintenance, further testing or specialist review within the agreed scope.

To scope the work, send us

- The vessel or structure details
- Drawings
- Access arrangements
- Any class or surveyor requirements
- Location
- Water depths
- Inspection priorities



Talk to our marine team

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