TECHNOLOGY PARTNERS INTERNATIONAL GROUP

Marine & Underwater Services



Underwater Environmental & Ecological Surveys

Underwater baselines and monitoring you can repeat, station by station and season by season.

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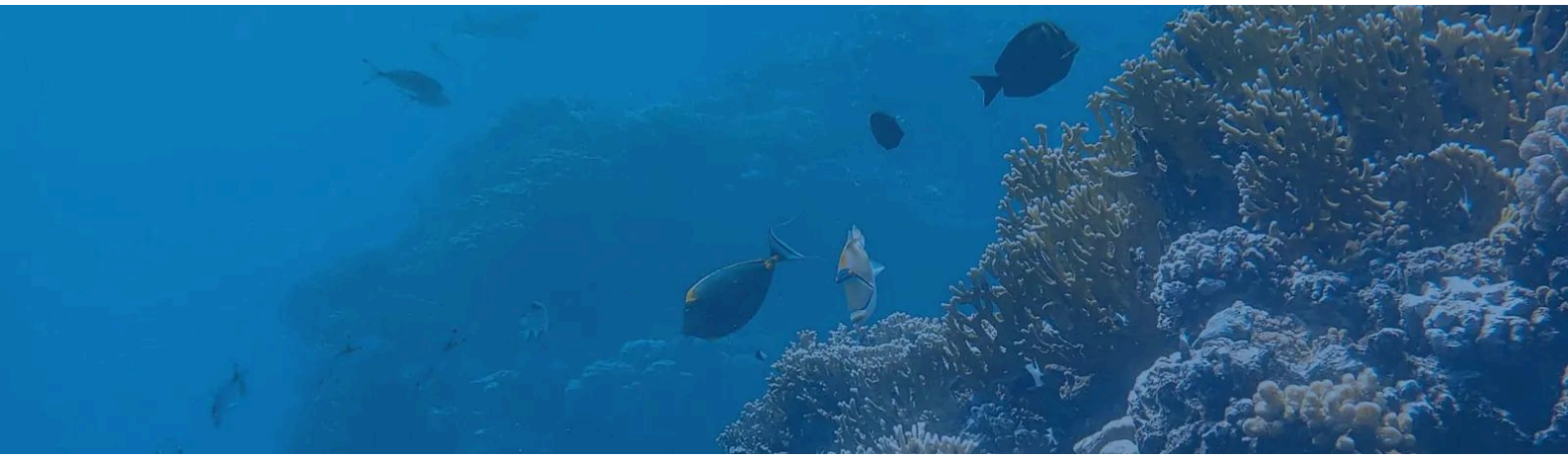
We combine structured underwater observation with selected measurements and sampling support. The study design ties survey stations, field records and specialist interpretation to the environmental questions you need answered.

Pilots follow defined transects at a planned height above the bed. Station, survey effort, altitude and visibility are logged with the imagery, so seasonal surveys can be compared like for like. The work connects directly to our EIA practice and laboratory.



What we cover

Environmental studies video transects

We film defined transects at project and reference stations, at a consistent camera height where conditions permit, so habitats can be compared between surveys.

Seabed habitat observations

We describe visible substrate, organisms and disturbance, and measure a clearly bounded patch of colonisation within a scaled image.

Fish and biodiversity surveys

We record visible marine life with consistent observation effort. Specialist review supports identification and comparison across stations or seasons.

Water-quality profiling

We profile agreed parameters at selected depths and locations, with sensor calibration and field quality checks recorded alongside the results.

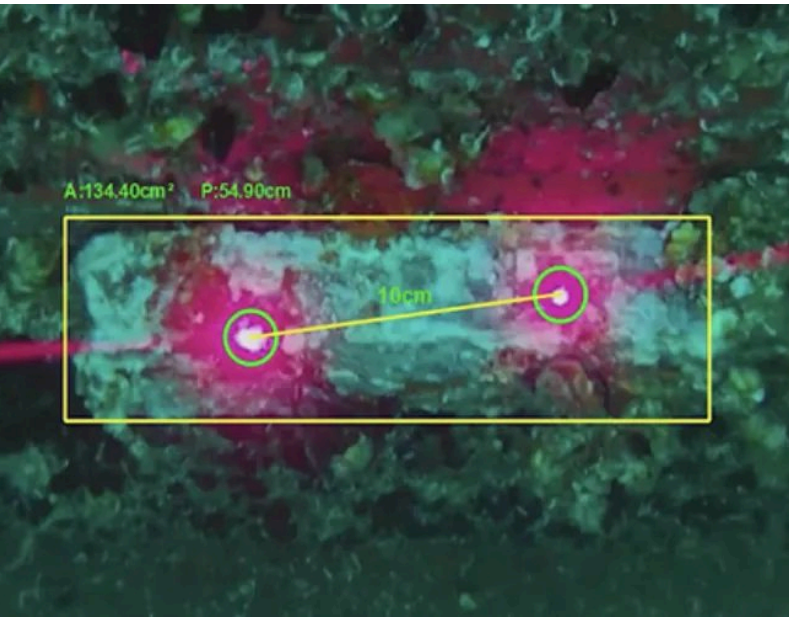
Targeted sampling support

We support collection at selected underwater locations with a sampler suited to the analysis, recording volume, preservation and chain of custody.

Impact and restoration monitoring

We revisit marked stations to assess habitat change, sediment disturbance and restoration progress using comparable transects and effort.







Where it is used

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.

Measurement and follow-up

Marine specialists interpret imagery and field data in the context of the study. Selected samples can go for laboratory analysis under a defined QA/QC programme; eDNA sampling needs a validated collection and preservation method.

Scope and limits

Video describes visible organisms and habitats. Infaunal communities and chemical conditions need appropriate sampling and analysis, and sensor and sampler choice depends on verified compatibility with the study method.

What you receive

Survey imagery and station records

Referenced video and stills, survey effort and field conditions, linked to agreed stations or transects.

Habitat and biodiversity findings

Descriptions of visible habitats and organisms, with classifications, maps or metrics where the survey design supports them.

Measurements and sample records

Water-quality data, calibration checks and sampling records, with laboratory results where included.

Environmental interpretation

A technical report on findings, limitations and monitoring implications, with material for EIA or EES reporting where specified.

To scope the work, send us

- The project location
- Water depths
- Target season
- Any monitoring or reporting commitments
- Study objectives
- Existing data
- Required parameters



Talk to our marine team

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