HGIS
Designing Innovative Geosolutions

Subsea Inspection, Repair & Maintenance Support

Since 2008, we have been supporting IRM projects by providing innovative solutions to reduce inspection time and producing reliable reports for decision making. Our meticulous planning of subsea operations has ensured safe deployment for ROVs and achieved high accuracy in underwater positioning.

Our support for the subsea sector includes:

- **Underwater Inspection for Client's Offshore Facilities, Offshore Structures, Pipelines, Subsea Equipment, Mooring Buoy, Floating Production and/or Storage Facilities that are carried out at regular intervals.**
- **Maintenance & Repair Work for Client's Offshore Facilities**
- **Engineering Works**
- **Subsea Metrology Works**

FEATURES

Reduce Breakdown Time
Improved and upgraded version of Current Profiler reduces breakdown time

Side Pole Elimination
Cost-effective solution using vessel HiPAP system saves mobilisation time and cost of separate side pole system

Pre-Sailing QC
Quality Control of data, accuracy and any discrepancies before sailing out

Improved Communica-tions
Latest technology of tracking beacons improve communications using Sonardyne 6G Wideband 2

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LONG BASELINE SYSTEM (LBL) CAPABILITIES

HGIS expertise in LBL solutions allows our Clients to perform subsea operations in the most challenging conditions. From extreme shallow water depth up to deep water, we offer a solution that fits all situations.

Using Sonardyne 6G technology the setup of the system is much more efficient, contributing to time and cost savings for high profile projects with the ability to perform simultaneous baseline calibrations.

We offer LBL Solutions for:

- **Free Span Survey**
- **Spool Metrology**
- **PLEM/PLET/SETP Installation & Measurements**
- **Limitless ROV Tracking at extreme shallow water depth**

FEATURES

Precise Positioning
Compatts used to create an array used for precise positioning during free-span check

Centimetric Accuracy
Subsea target tracking to centimetric accuracy independent of depth

Array Design
The design of LBL array is based on the optimal angle of the cut, line of sight, number of range and coverage.

ROV Friendly
Compatts installed in lightweight and stainless frames.

Improved Algorithms
Latest 6G with Wideband 2 provides simultaneous baseline calibrations and better accuracy