HUGIN SUPERIOR Specifications

Basic vehicle

- HUGIN 6000m Ø875mm, 6.4m long
- Depth: 5m – 6000m
- Endurance: 3-4 Days typical but payload/speed dependent
- Speed: 2 – 6 knots
- Nominal Vehicle Weight: 2100 kg
- Sunstone Inertial Navigation system with Postea post processing

Payload sensors

- HISAS Dual Rx Synthetic aperture sonar
- EM2040 MK2 Multibeam Echosounder, 200 – 700khz
- Edgetech Sub Bottom Profiler 2-16 kHz
- Cathx still image color camera 48.5 deg FOV and LED panel
- Cathx dual mode laser profiler 48.5 deg FOV
- WetLabs FLNTU turbidity sensor
- Magnetometer: OFG SCM 6k Self-compensating magnetometer
- AML 6 RT CTD plus swappable environmental options on Crude oil, Dissolved oxygen, pH, ChlA and a wide selection of other Fluorometers
- Payload Bay for client sensors

LARS and handling Systems

- 40 foot DNV 2.7-1

Fully self-contained launch and recovery plus maintenance container with dual stage stinger enabling up to 4.5 metre freeboard operation

- 20 ft Operations container 10 ft DNV 2.7-1

Allowing all interfaces and controls of the vehicle in and out of operation.

- HIPAP 502 Portable USBL solution for flexable installations
- 20ft Spares container and workshop

Post Mission Analysis SW

- Flat Earth Full post processing chain and client deliverables
- Sunstone Postea navigation post processing (replacing NavLab)
- Reflection payload analysis software
- APEX HISAS Analysis software

Software to perform full quality control of data with options on accompanying packages to support processing

Spares and support

- Full and complete spares package for remote area of operation. Spares are focused on both vehicle and payloads (total spares package value is approximately $1,500,000+)
- Full spare battery packs for hot-swappable continuous operations
- Battery maintenance care and discharge kit

Real world performance

- Wreck hunting – Up to 12 km^2/hr
- High resolution mapping 5cm resolution overall – Up to 4.5 km^2/hr
- Operational Duty cycle (% of time collecting data) – Better than 90% at full depth

For the most updated availability and info – chris@deepseavision.com