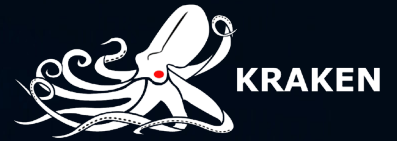


SeaKite™



High-Speed Sub-Seabed Imaging

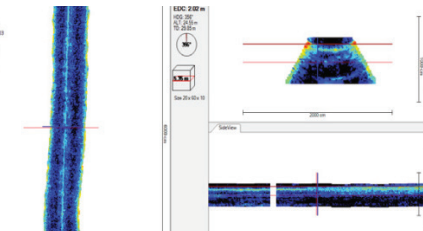
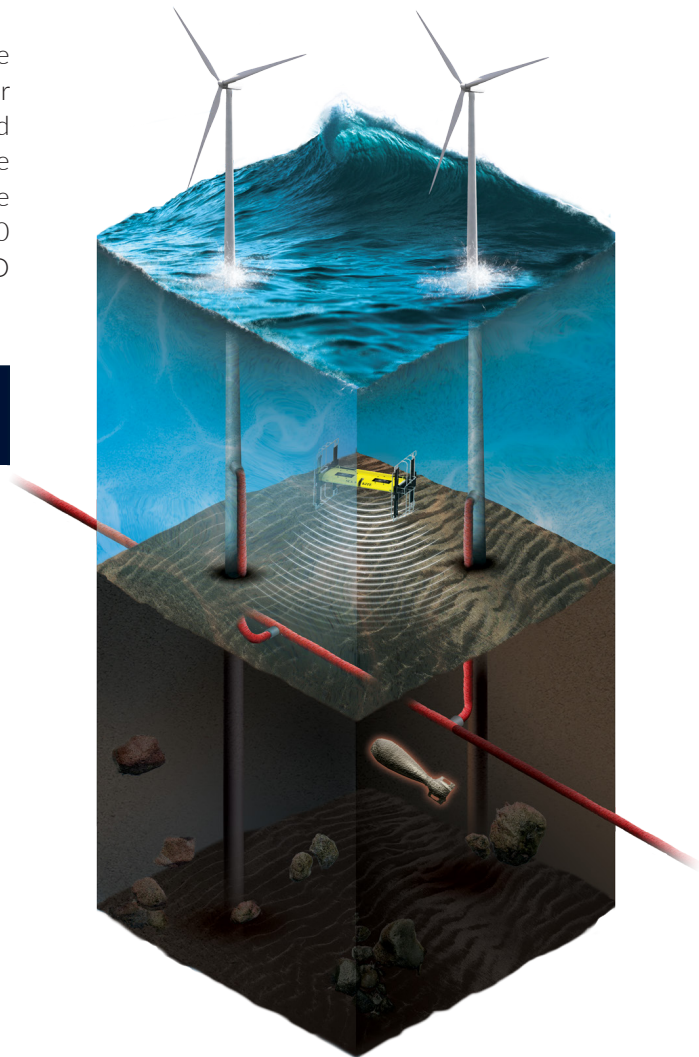
SeaKite™ is a high-speed, cost-effective survey platform, providing a real-time 3D view of the sub-seabed. SeaKite gathers multi-sensor data on a single pass, identifying buried anomalies and stratigraphy up to 5 m below the seabed.

Based on the industry proven design of an EIVA 3D ScanFish, SeaKite can support the Sub-Bottom Imager (SBI) payload in addition to other sensors such as magnetometer and SSS, offering a true co-located multi-sensor platform. With the SBI permanently housed within the frame and taking advantage of next generation acquisition software and autopilot capability, SeaKite provides clients with real-time 10 cm resolution data for depth of burial, buried obstruction, and pUXO identification surveys.

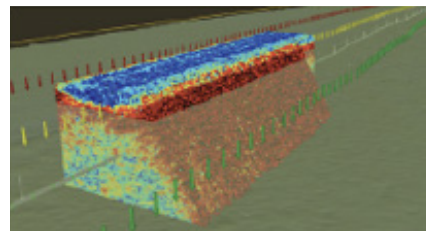
Applications

- Shallow Geo-Hazard Pre-Route Surveys for Cables & Pipelines
- Unexploded Ordnance (UXO) Surveys
- Cable Depth of Burial Surveys
- Debris and Decommissioning Surveys

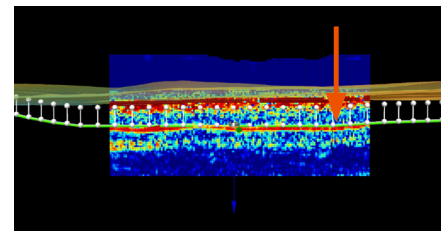
SeaKite is the cost-effective solution for all sub-seabed surveys, being able to utilise smaller vessels and crew sizes in comparison to traditional ROV surveys. SeaKite reduces survey times with its continuous 4 kn survey speed, and reduces overall campaign costs.



Online viewer - 3 views at 10 cm rendered voxels: Plan, X-sectional and Vertical Profile



3D Volumetric Viewer



2D profile view of buried cable

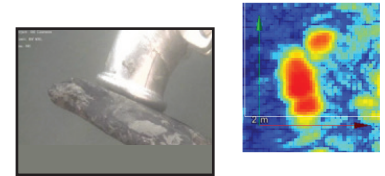
SeaKite™ Specifications			
Width	4.33 m	Penetration Depth	5 m
Height	2.73 m	Accuracy	± 10 cm
Wing Depth	2.77 m	Survey Height (Off Seabed)	3.5 m ± 0.5 m
Weight	1,750 Kgs	Communication Link	1000 Base-T 1 GB Ethernet
Operational Depth	4 m to 250 m	Data Acquisition Software	SBI Pilot Console
Survey Speed	Up to 4 kn	Processing & Visual Software	EIVA NaviModel Producer
Swath Width	Minimum 5 m	Auxiliary Sensors	Side Scan Sonar, Multi-Beam

GENERAL SPECIFICATIONS

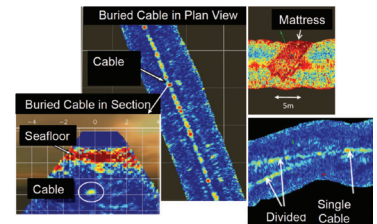
SUB BOTTOM IMAGER™ (SBI) HIGH RESOLUTION 3D SAS SUB BOTTOM PROFILER

SBI™ FEATURES

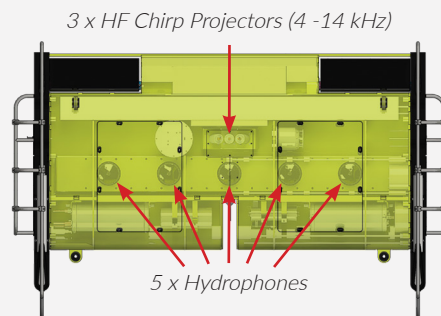
- Acquires continuous 3D Acoustic Volumetric Swath: 6 m wide to depths of 5 m - 8 m
- Identifies size, shape and orientation of buried hazards
- Images AC and DC Cables: No tone or power required on cable
- Depth of Burial repeatability better than 10 cm accuracy with decimeter resolution in real time
- Images cable beyond the 1.5 m depth limitation of other systems
- Proven to reduce the number of “false positives” commonly found with magnetometer surveys by up to 75%, thus reducing the number of targets requiring subsequent clearance



SBI UXO Survey Results: Verification of Magnetometer Targets



HVDC Cable Survey



Right/Above: Graphic rendition of SeaKite Showing internal components

Left: SeaKite on board the Aarhus University's Vessel MV Aurora

