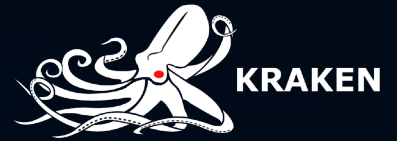


SeaKite™



High-Speed Sub-Seabed Imaging

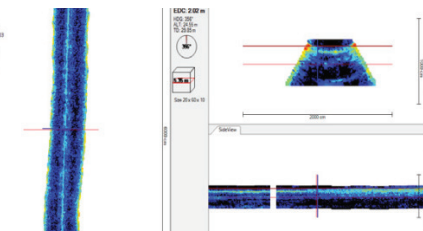
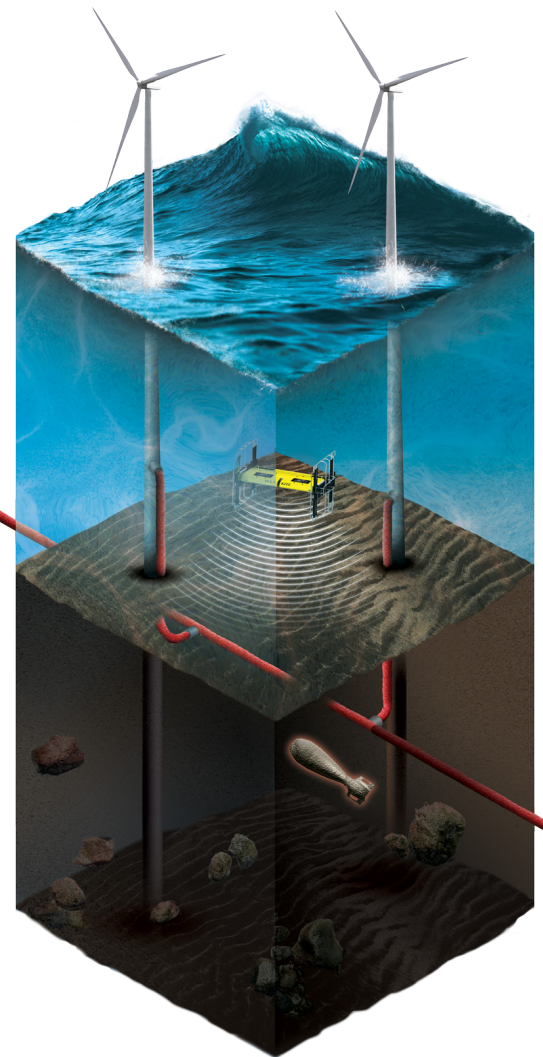
SeaKite is a high-speed, cost-effective survey platform, providing a real-time 3D view of the sub-seabed. SeaKite gathers multi-sensor data on a single pass, identifying buried anomalies and stratigraphy up to 5 m below the seabed.

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.

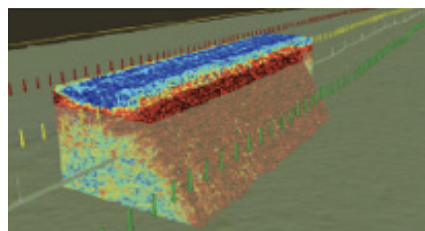
Applications

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

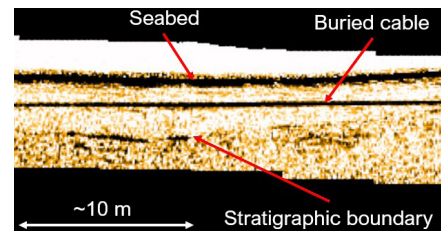
SeaKite is the cost-effective solution for all sub-seabed surveys, being able to utilise smaller vessels and crew sizes in comparison to traditional ROV surveys. SeaKite reduces survey times with its continuous 4 kn survey speed, and reduces overall campaign costs.



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

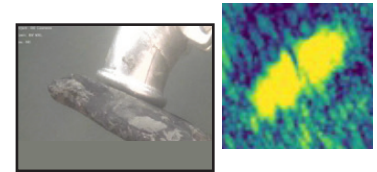
Performance specifications represent maximum sensor values and may vary due to environmental conditions, vehicle stability, and operational specifics.

GENERAL SPECIFICATIONS

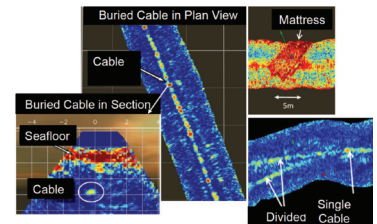
SUB BOTTOM IMAGER (SBI) HIGH RESOLUTION 3D SAS SUB BOTTOM PROFILER

SEAKITE SBI FEATURES

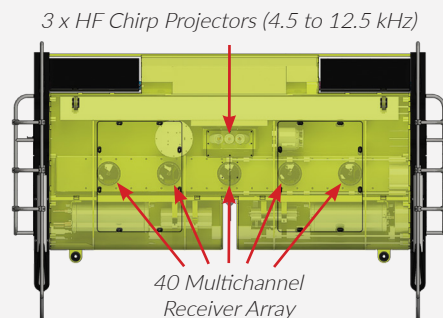
- Acquires continuous 3D Acoustic Volumetric Swath: 6 m wide to depths of 5 m
- Identifies size, shape and orientation of buried hazards
- Images AC and DC Cables: No tone or power required on cable
- Depth of Burial repeatability better than 10 cm accuracy with decimeter resolution in real time
- Images 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

