



## Sub-Bottom Imaging Surveys



### High Quality Data

- Identify buried objects, anomalies, geohazards, and stratigraphy to a 10cm resolution at 5m penetration depth and 6m swath



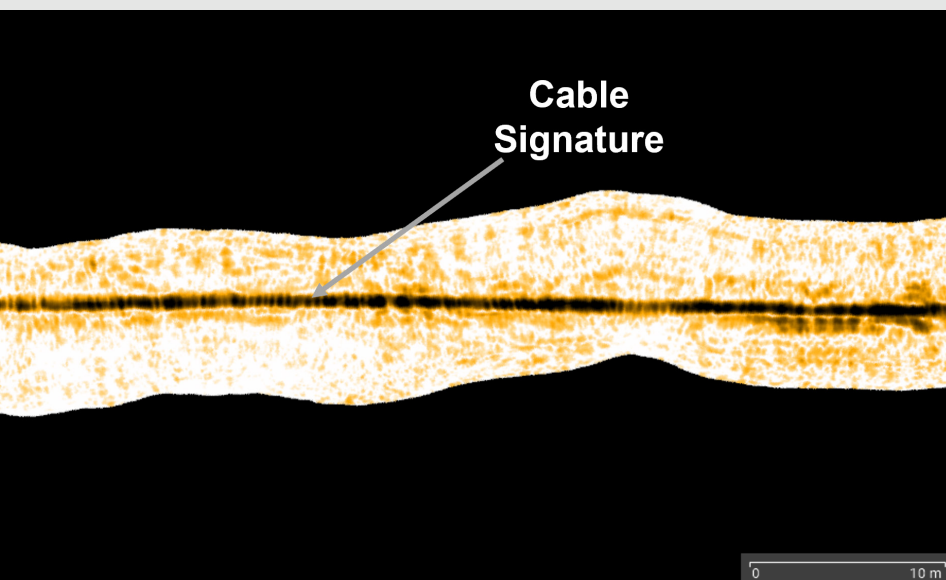
### Unparalleled Accuracy

- INS-aided positioning for georeferenced data
- Simultaneous data acquisition with other sensors without interference



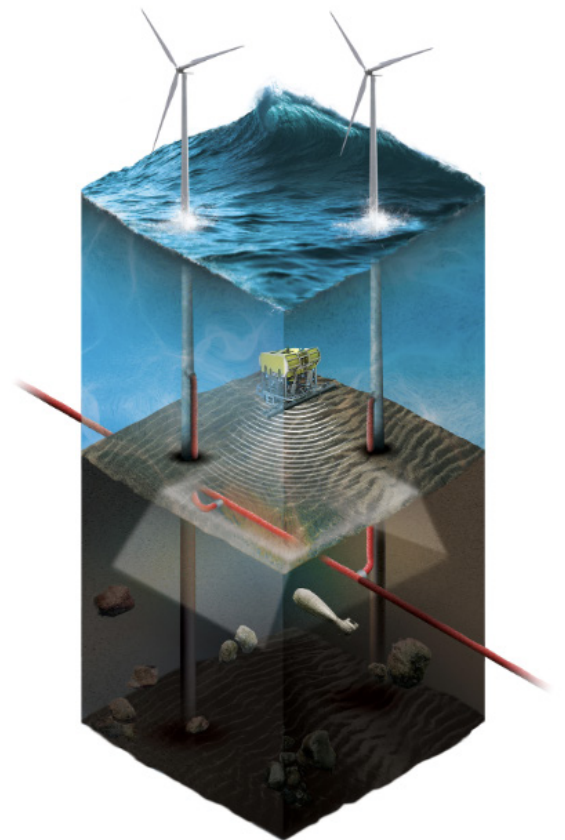
### Maximized Efficiency

- Real-time 3D view of the sub-seabed allows immediate target identification
- Preliminary interpreted results delivered offshore during operations

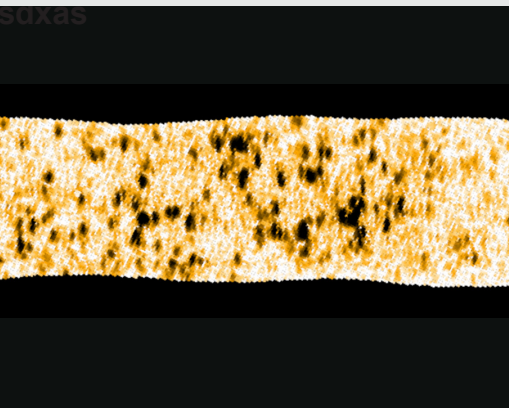


## See Beneath the Seabed

Kraken's Sub-Bottom Imaging services allow you to see below the seabed using advanced acoustic technology. Our Sub-Bottom Imager (SBI) 3D data provides a clear understanding of subsea lithography and hazards, decreasing the risk of your offshore and defense operations.

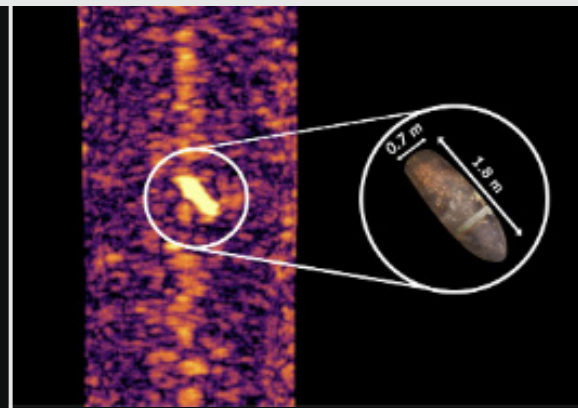


## Applications



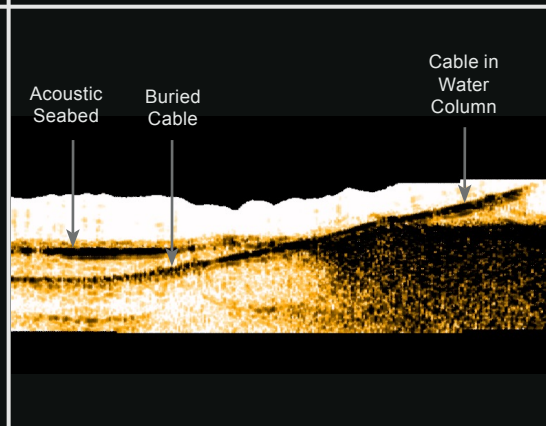
### Cable and Pipeline Depth of Burial Assessment

- Assess cable/pipeline condition
- Cables can remain energized during survey
- Detect unarmored or non-ferrous cables
- Identify third party asset crossings



### Buried Boulder Detection and Mapping

- Provide location, absolute numbers, and size of boulders as small as 20 cm
- Capable of surveying in water depths greater than 3 m



### UXO Surveys

- Detect buried ferrous and non-ferrous UXOs
- Observed size and shape of anomaly provides additional context, reducing potential UXO master target listing
- Reduce field time during identification and clearance phase

## Our Technology

### Sub-Bottom Imager



The SBI can be deployed from 3 to 500 meters on multiple platforms for all your survey requirements. The SBI ROV mount can be adapted to fit all work-class ROVs with custom skids available to fit lighter ROVs.

### SeaKite



SeaKite allows high-speed SBI data collection up to 4 knots in waters up to 250 meters depth. This remotely operated towed vehicle (ROTV) can be utilized on a smaller vessel with smaller crew size compared to traditional ROV Surveys.

### GeoArm & GeoLink



For nearshore applications, the SBI GeoArm and GeoLink can be mounted to vessels and operate in shallow waters up to 15 meters depth in areas such as ports, rivers, and nearshore environments.

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