



## 3D Sub-Seabed Acoustic Coring up to 50 m Depth



### Visualize Sub-Seabed Hazards

- Identify buried boulders >0.2 m in diameter
- Detect geohazards such as gassy soils and unexploded ordnance (UXO)
- Delineate subsea stratigraphy, including bedrock, gravel/cobble layers, and dipping slippage



### 3D Geophysical and Geotechnical Integration

- Provide 3D imaging of lithological units to support foundation design
- Correlate geotechnical samples across foundation footprints
- Target features of interest for geotechnical sampling



### Real-Time Data for In-Field Decisions

- Visualize data in real-time with preliminary interpreted results within 72 hours
- Enable rapid decision-making during offshore surveys
- Post-survey analysis includes velocity models, 3D volume merging, and statistical correlation

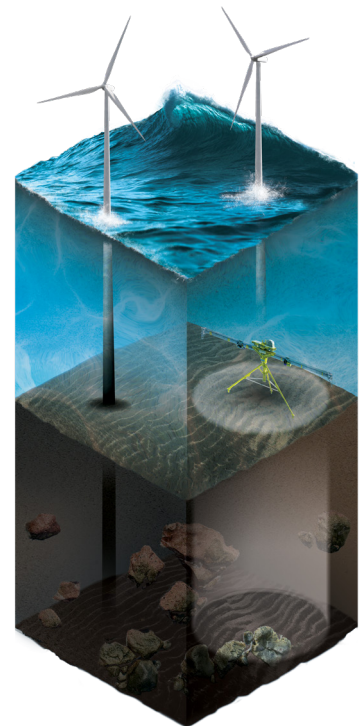


### Reduce Installation Risk

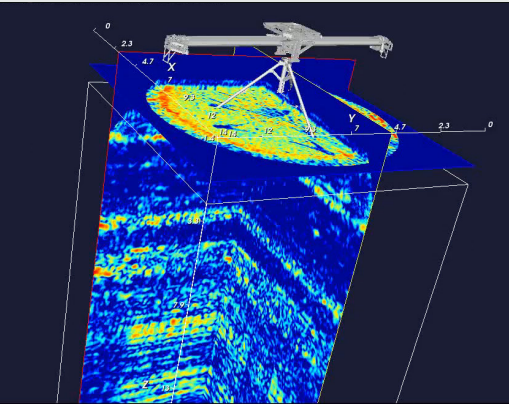
- Mitigate foundation installation risks such as pile refusals, buckling, and slippage
- Optimize foundation design for complex seabeds in offshore energy markets
- Ensure projects stay on schedule and within budget

## De-Risking Offshore Installations

The Acoustic Corer™ utilizes advanced acoustic technology for sub-seabed interrogation, optimizing offshore installation programs. By bridging the gap between geophysical and geotechnical site investigation methods, it delivers a 3D acoustic core with a 14 m diameter and depths exceeding 50 m, depending on lithology.

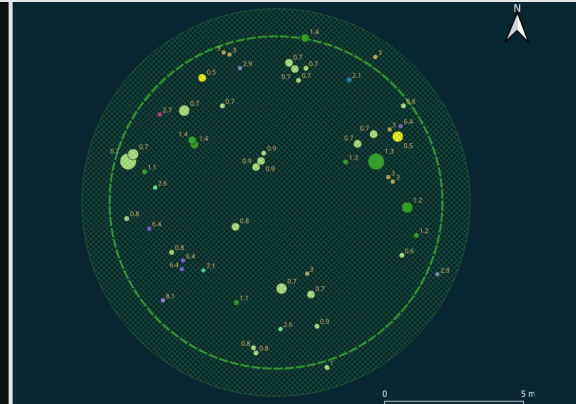


## Applications



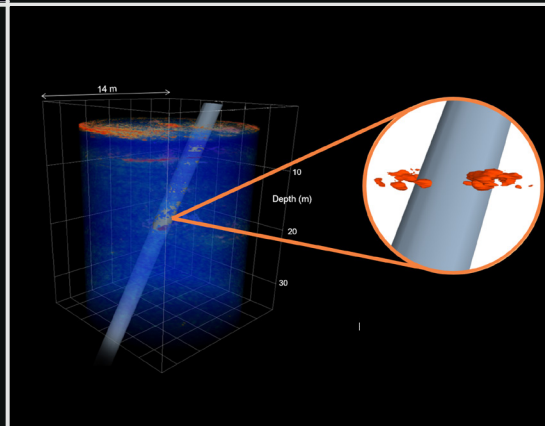
### Sub-Seabed Foundation Location Assessment

- Locate all buried boulders >0.2m
- Identify changes in lithology
- Extrapolate geotechnical properties



### Locate Legacy Wells for Carbon Capture Storage

- Accurately identify abandoned buried wells enabling re-entry
- Provide conditional assessment of the sub-seabed



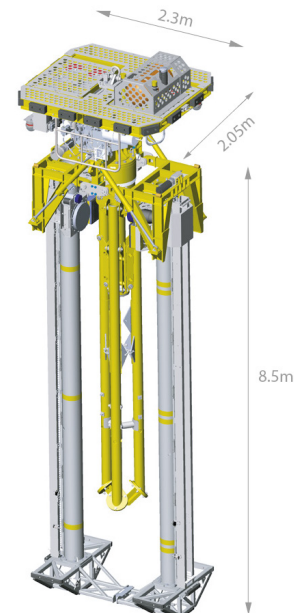
### Foundation Engineering Support

- Quantify buried boulder risk enabling foundation width & depth design
- Develop piling methodology & schedule with confidence

## Our Technology

### Acoustic Corer (AC)

	Acoustic Corer	ISO 20' Control Van	ISO 10' Spares Container	1500 m Winch + Umbilical
<b>Dimensions (L x W x H)</b>	Folded: 8.5 m x 2.3 m x 2.05 m Deployed: 13.3 m x 2.3 m x 5.3 m	6.1 m x 2.4 m x 2.6 m	3.1 m x 2.4 m x 2.6 m	1.5 m x 1.8 m x 1.5 m
<b>Weight</b>	5500 kg	5500 kg	4000 kg	225.7 kg
<b>Operational Support Requirements</b>	DP 1/2; 20 ton crane (heave compensated in waters deeper than 100 m); Onboard survey and positioning; IMCA class 2 ROV support; Requires 440 VAC, 3-Phase, 50/60 Hz, 63 A			
<b>Operating Specifications</b>	1500 m max depth rating; Max seafloor inclination 5 degrees; Max subsea current 0.5 kts - 1.0 kts; Ambient subsea noise threshold applies			
<b>Personnel Requirements</b>	5-6 Kraken operations team; ROV support team; Survey team			
<b>Data Deliverables</b>				



The Acoustic Corer folds for transport

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