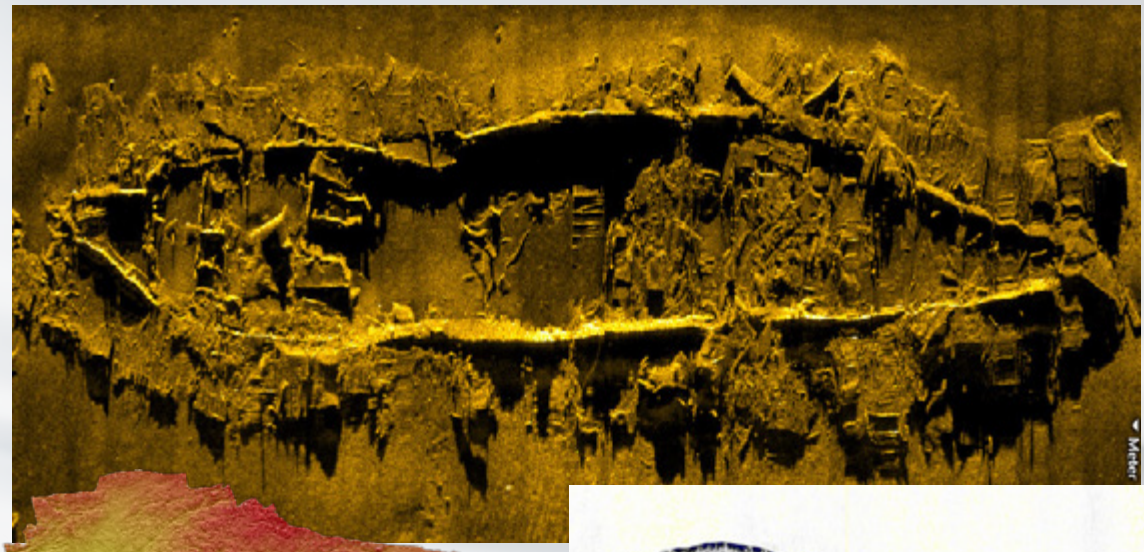
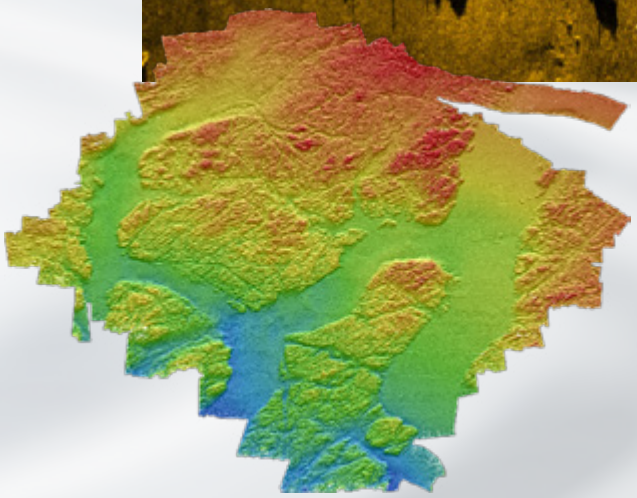
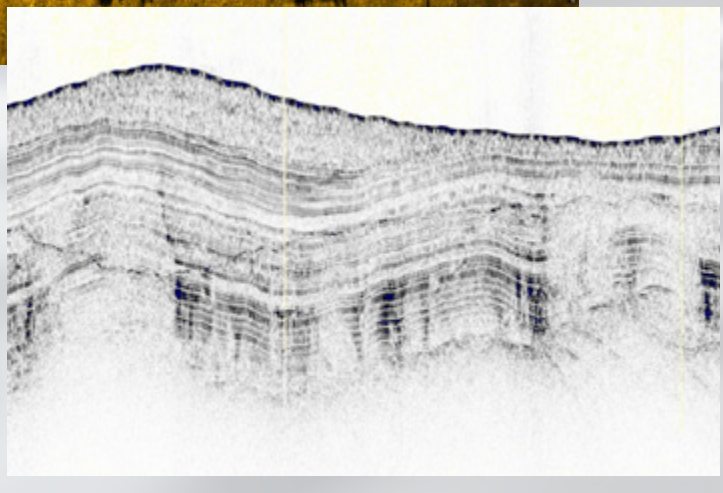
CLEARLY SUPERIOR IMAGING

Side Scan Sonar | Sub-bottom Profilers | Bathymetry
Combined & Customized Sonar Solutions







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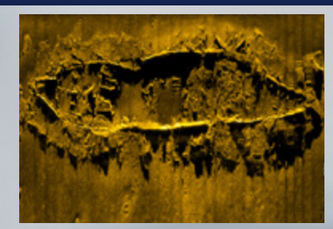
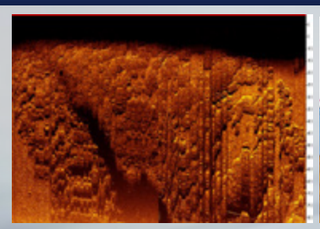
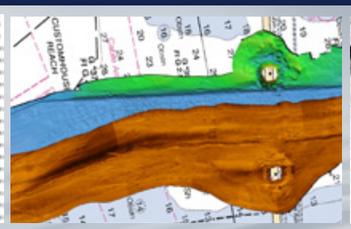
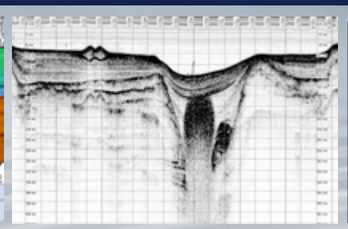
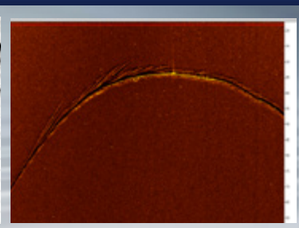
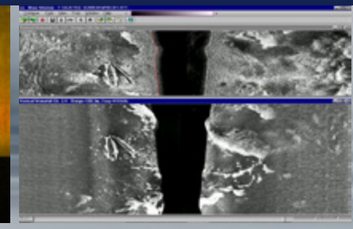
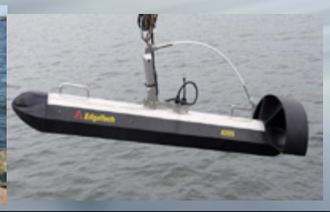
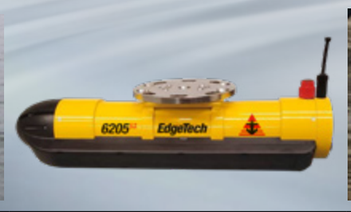
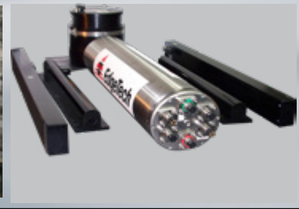
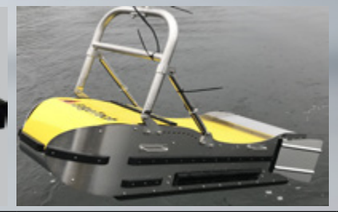
Acoustic Releases | USBL | Side Scan Sonar | Bathymetry | AUV & ROV Sonars | Combined & Customized Solutions

UNDERWATER ACOUSTIC IMAGING



Model Name	4125i Ultra High Resolution Lightweight, Portable	4205 Multipurpose Survey System	6205s2 Swath Bathymetry & Side Scan Sonar	3400/3400-OTS Sub-bottom Profiler Towed, Pole-Mounted, Hull-Mount, Portable	2200/2205 Sonars for ROV, AUV, USV	2050 or 2300 Combined Side Scan Sonar & Sub-bottom Profiler	2400 / Specials Deep Towes
Sonar System	✓	✓	✓		✓	✓	✓
Sub-bottom Profiler				✓	✓	✓	✓
Bathymetry (3-D)			✓		✓	✓ optional on 2300	✓
Frequency Options Available	400 kHz / 900 kHz 600 kHz / 1600 kHz	Tri-frequency versions: • 120/410/850 kHz • 230/540/850 kHz Multi-pulse/Motion Tolerant versions: • 120/410 kHz • 230/540 kHz • 230/850 kHz	500/1600 kHz (Dual Frequency Side Scan with 500 kHz Bathymetry Data) 500/850 kHz (Dual Frequency Side Scan with 500 kHz Bathymetry Data) 230/550 kHz (Dual Frequency Side Scan with 500 kHz Bathymetry Data)	500 kHz - 24 kHz	Side Scan Sonar: 75 kHz to 1600 kHz Sub-bottom Profiler: 500 Hz to 24 kHz Bathymetry: 550 kHz	Side Scan Sonar Tri-Frequency: 120/410/850 kHz or 230/550/850 kHz Sub-bottom Profiler: 1-10 kHz and 2-16 kHz Bathymetry: 550 kHz	Side Scan Sonar: 75 kHz to 1600 kHz Sub-bottom Profiler: 500 Hz to 24 kHz Bathymetry: 500 kHz
Depth Rating (meters)	200 m	2000 m	100 m	towfish 100 m, survey 6000 m	options to 6000 m	2000 m	options to 6000 m
Multi-Pulse Option Available		✓			✓		✓
Dynamic Focusing Long Range and High Resolution					optional		optional
Configuration available:							
Towfish:	✓	✓		✓		✓	✓
Pole Mount:	✓	✓	✓	hull-mount available			
Sample Applications:	• Hydrographic Surveys • Geological Surveys • Search & Recovery • Channel/Clearance Surveys • Bridge/Pier/Harbor Wall Inspection • Hull Inspection	• Hydrographic Surveys • Archeological Surveys • Cable and Pipe Line Survey • Geohazard Surveys • Geological/Geophysical Surveys	• Benthic Habitat Mapping • Dredging Operations • Marine Debris Search • Military Rapid Environmental Assessments (REA) • Nautical Charting • Route Surveys • Shallow Water Hydrographic Surveys	• Geological Surveys • Geohazard Surveys • Buried Object Location • Mining/Dredging Surveys • Bridge/Shoreline Scour Surveys • Pipeline and Cable Location	• Geohazard Surveys • Geological/Geophysical Surveys • Buried Pipeline and Cable • Route Surveys • Archeological Surveys • Military Surveys	• Archeological Surveys • Geological/Geophysical Surveys • Sediment Classification • Cable and Pipeline Surveys • Pre/Post dredging Surveys • Scour/Erosion Investigation • Marine Constructions Surveys	• Geohazard Surveys • Geological/ Geophysical Surveys • Cable and Pipeline Surveys • Route Surveys • Archeological Surveys

For More Information please visit EdgeTech.com

WHAT SETS EDGETECH APART?

ADVANCE TECHNOLOGY PROVIDING CLEARLY SUPERIOR IMAGING

EdgeTech is the industry leader in the design and development of advanced imaging sonar systems. Only EdgeTech offers a set of unique and exciting underwater imaging technologies including Full Spectrum CHRIP Processing, Multi-Pulse technology, Dynamic Aperture and Dynamically Focused Arrays. Our proprietary Full Spectrum Chrip Processing enhances long range resolutions through improved signal-to-noise ratios. Multi-Pulse technology puts multiple pulses in the water simultaneously, thereby enabling either a survey speed increase over conventional side scan sonar systems, or a marked increase of pings on target, which leads to superior feature detection. EdgeTech's exclusive Dynamically Focused Arrays sharpen resolutions in the far field and enable better target identifications at longer ranges.

In addition to these pioneering technologies, our expertise in telemetry, compact & low-power electronics, modular designs and software programming allows us to provide unique and tailored solutions for platforms that include towed bodies, power towed bodies, remotely operated vehicles (ROV), unmanned surfaces vehicles (USV), and unmanned underwater vehicles (UUV). We also have vast knowledge of acoustic positioning, navigation and control technologies that can easily be incorporated into any of EdgeTech solutions. For side scan sonar, sub-bottom profiling , and bathymetric, metric solutions, either individually or in combinations, EdgeTech provides Clearly Superior Imaging.

Acoustic Releases | USBL | MRU | Side Scan Sonar | Sub-bottom Profilers | Bathymetry | AUV & ROV Sonars | Combined & Customized Solution

For more information please visit EdgeTech.com

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