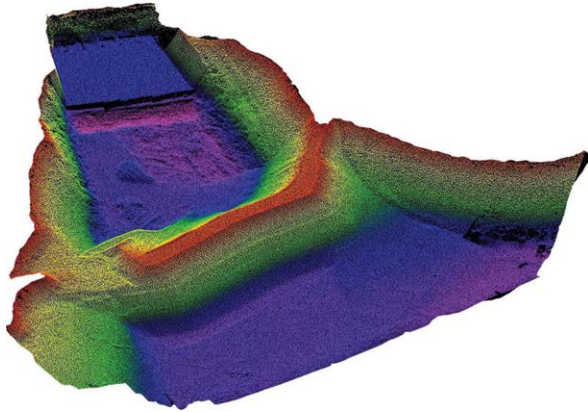


HYDROLITE-MB™

Integrated Multibeam Sonar System



Folsom Dam, California

The **HydroLite-MB™** is a portable, turnkey, integrated multibeam system scalable to meet your performance and budget requirements.

With kits ranging from entry level, to workhorse, to professional levels, Seafloor Systems can provide a solution for low to ultra-high resolution data while maintaining productivity and performance. With fixed, measured offsets, installations are constant, reliable, and repeatable, thereby reducing risks from human error.

GPS and data collector sold separately.

DEFAULT COMPONENTS

- Mounting Pole with Fixed Position IMU Plate and Fixed GPS Antenna Mast
- Multibeam Sonar (Customer Specified)
- Sound Velocity Probe
- Sound Velocity Profiler
- Multibeam Data Collection and Processing Software
- Professional Setup and On-Site Training (Upon Request)



The Hydrolite-MB can be adapted to any survey vessel

MULTIBEAM SONAR SYSTEMS



SeaBat IDH T50
Multibeam Echosounder

Seafloor SeaRAY
Multibeam Echosounder



SeaBat T51
Multibeam Echosounder



Each system is pre-configured and pre-calibrated on its mounting frame. The configuration includes:

- Shallow water multibeam echosounder
- Inertial navigation system for heave, pitch, roll, heading, and positioning
- Sound Velocity Probe
- Portable Mounting Pole

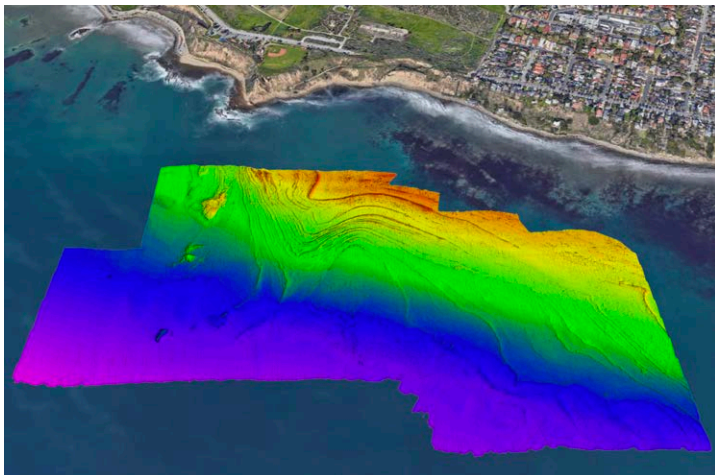
Combined with the software for survey planning, data collection, patch test calibration, and data processing, the HydroLite-MB package offers everything required to conduct, collect, and analyze high-resolution multibeam survey data.

SONAR SPECIFICATIONS

- Frequency: 190 kHz to 420 kHz
- Swath: 120° to 210°
- Bottom Coverage Per Swath: 3.5xWD to >20xWD
- Beam Angle, Along Track: 1.5° to 0.5°
- Resolution: 36 mm to 6 mm
- Number of Beams: 10 - 1024
- Depth Ranges: 0.5m to 600m
- Power: 12W to 300W
12VDC to 24 VDC
110-230 VAC
- Weight: Sonar Head - 3 kg to 14 kg
- Size, Sonar Head: (200 mm x 170 mm) to (460 mm x 280 mm)

SONAR OPTIONS

- Dual Head
- Roll Stabilization
- Swath Steering
- Head Tilt
- Frequency Modulation
- Adaptive Gates
- Sidescan Output
- Snippets Backscatter Output
- Water Column Output
- Splashproof or RackMount Processor
- Integrated INS
- MultiDetect (multiple bottom detections per beam for information on items in the water column)



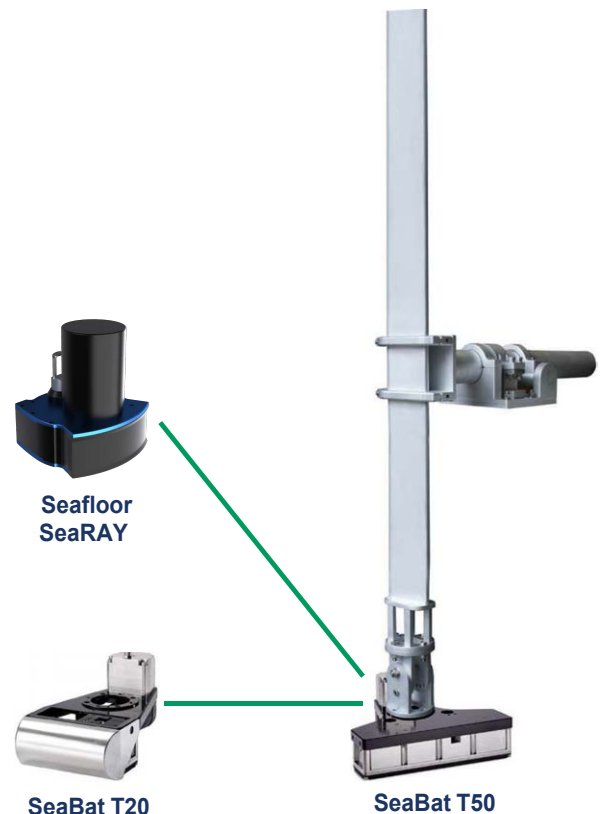
Multibeam Echosounder Data from Nearshore Environment

INERTIAL NAVIGATION SYSTEM

- Positioning: 2 m to 8 mm
- Roll / Pitch: 0.05° to 0.01°
- Heading: 0.06° to 0.01°
- Heave: 5 cm to 2 cm
- True Heave
- RTK

EQUIPMENT / SOFTWARE OPTIONS

- PC or Laptop
- Head-Tilt Adaptor (15,30,45)
- Hydrographic Data Collection and Processing SW
- Onsite Installation and Training
- Extended Warranties
- Cube Editing
- Bottom Classification Capability
- Post Kinematic Aided Inertial Post Processing SW



Seafloor's Hydrolite-MB Portable Integrated Multibeam Sonar System can fit a variety of components needed to complete your survey. Customizable for any job.