ASI Group

water and wastewater engineering • marine services
ecological services • industrial services and operations

SINGLE BEAM AND MULTIBEAM ECHO SOUNDING

Provides precise depth measurements for hydrographic and bathymetric surveys for engineering applications.

SIDE SCAN SONAR SURVEYS

Simultaneous collection of dual frequency (100/500 kHz) side scan sonar data permits greater ranges with high resolution.

SUB-BOTTOM PROFILING

Detection of buried targets and measurement of overburden thickness.

MARINE MAGNETOMETER SURVEYS

Detection of ferrous targets on the bottom surface.

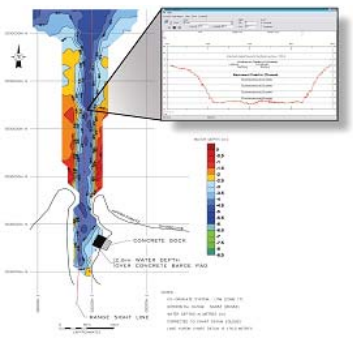
OPEN WATER REMOTELY OPERATED VEHICLE (ROV) SURVEYS

ASI's fleet of ROV's includes LBV300XL and Seaeye Falcon that are utilized in geophysical surveys. They are depth rated to 300 m and operate at speeds up to 4 knots. They are equipped with profiling/ imaging sonar, video, dimmable lights, still photography and manipulators.

Water Quality and Sediment Sampling Equipment

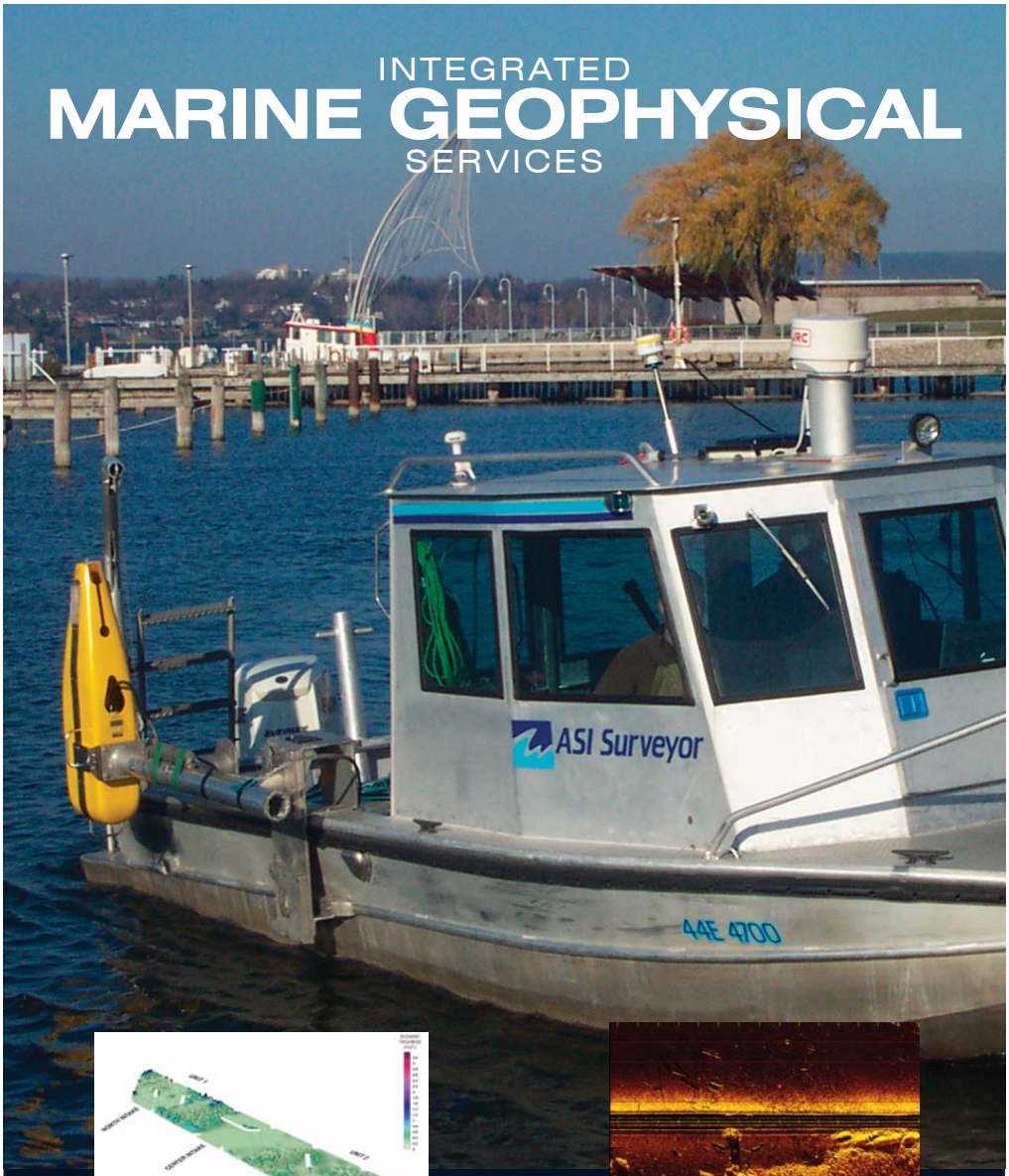
Data collection software

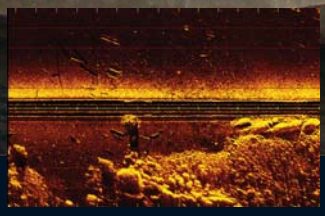
Differential Global Positioning Systems (DGPS)



REGISTERED FOR
ISO 9001:2008

INTEGRATED MARINE GEOPHYSICAL SERVICES

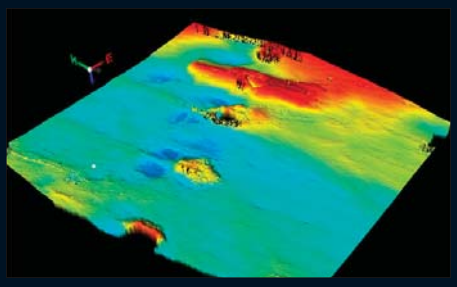




ASI provides a complete range of hydrographic, geophysical and visual inspection techniques to conduct underwater investigations. Submerged surface features and targets are located, measured and mapped with precision accuracy in real-time using a combination of geophysical mapping and charting technology. In-house cartographers and graphic specialists produce quality technical reports (hardcopy and GIS compatible formats) utilizing geophysical data.

ASI's survey vessels are trailerable and equipped with a wide variety of survey equipment packages. In addition to surface vessels, ASI owns and operates a fleet of purpose-built remotely operated vehicles (ROV's) to deploy sonar and video imaging in open water, tunnels and pipelines.

Technical advances in geophysical survey instrumentation and methodologies provide greater efficiency and accuracy in mapping rivers, estuaries, channels, lakes or harbour bottom surfaces.



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