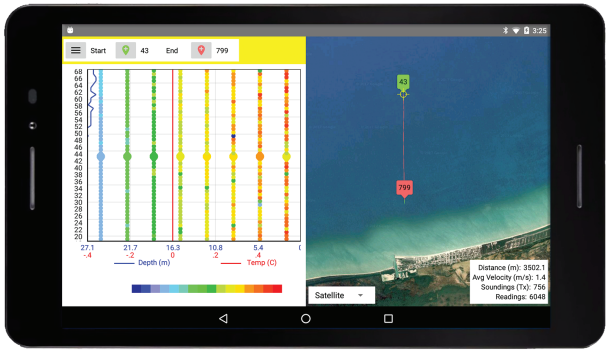
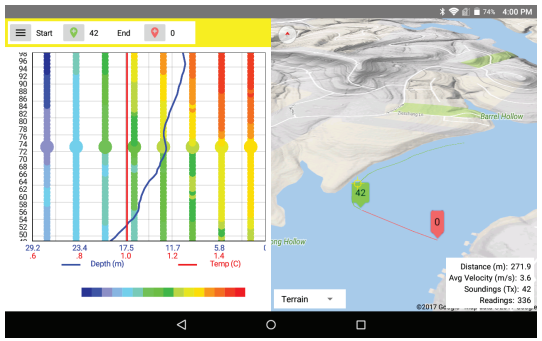


SUPERSTING MANAGER (SSM) APP FEATURES

+ Upload command files and download data files.
+ File sharing via wireless connection.
+ GPS attached to the AGI Serial over wireless box.
+ Redundant GPS positioning. (Should the GPS position be lost by the GPS/depth sensing unit, the SSM will record the Android device GPS position momentarily.)
+ Overlay the depth and temperature data over the collected data in real time.
+ Create command files.
+ Edit any text files (including the data and command files).
+ Monitor instrument battery levels.
+ Remote control of the SuperSting over a internal Wi-Fi access point (no internet connection required).

COMMON APPLICATIONS FOR MARINE RESISTIVITY



Marine Resistivity data can be used for a myriad reasons, including:

+ Monitoring leakage in a dam
+ Mapping fresh and saltwater interfaces near shorelines or offshore
+ Characterizing the sub-bottom of estuaries
+ Imaging water column salinity variations
+ Mineral exploration (placer and hardrock)
+ Locating freshwater springs at sea (submarine groundwater discharge)
+ Distinguishing between hard rock, sand, gravel, silt, and clay for dredging and other purposes

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SUPERSTING™

Marine Resistivity

SUPERSTING™ MARINE RESISTIVITY

The SuperSting™ Marine Resistivity System is an add-on module to the SuperSting™ Wi-Fi, our multi-channel electrical imaging system. It allows for the collection of streaming marine (towed cable) data. Items in this module allow hydrographic surveys with continuously recording electrical resistivity imaging data which contain positional data from a GPS receiver, along with the depth profile measured with 200Khz echo sounder.

EASY TO USE

The fully automated SuperSting™ Marine module system is ready to use with minimal changes to the land mode. Compared to land system—the SuperSting™ R8 Wi-Fi—the Marine Resistivity Module is able to collect extraordinarily large amounts of data in a working day. To use the marine module, you simply connect the accessories and then tow the sensor cable behind your boat at 5-10 km/h. The module gathers continuous 2D scans; in an eight-hour day, it is common to gather over 40 linear kilometers of data.

PRODUCT FEATURES

+ Current is injected every three seconds while the voltage is measured on each of the 8 depth levels.

+ Depth of penetration depends on the length of the graphite electrode (U.S. Patent 6,674,286) cable and array type used. Typically you will image down to approximately 20% of the electrode-spread length using the Dipole-Dipole array. (For example, a 100-meter-long electrode cable will image down to about 20 meters.)

+ Resolution is proportional to the electrode spacing by 50%. (To increase the resolution, you have to shorten the electrode spacing. For example, if there is an electrode spacing of 10 meters, the best resolution is 5 meters.)

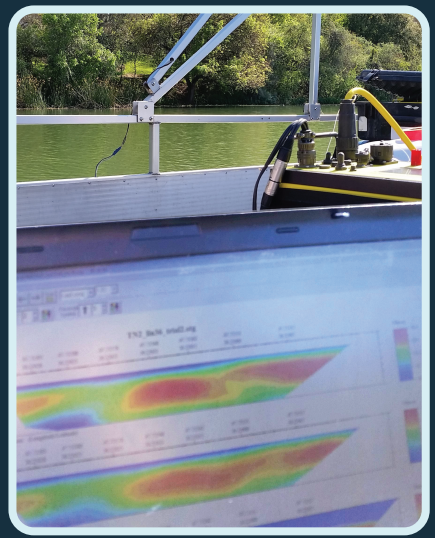
+ Real-time data plotting—which allows you to see the data stream in real time as the boat advances—is made easy with any Android device. You are in control of the survey and able to recognize the quality of the data and adjust for unaccounted field variables on the spot.

+ Remote control of the SuperSting™ Marine is simple when you use the included Android SuperSting™ Manager App (available in the Google Play Store).

SUPERSTING™ MARINE RESISTIVITY USE CASE: DREDGING

A canal authority is doing an expansion project and needs to dredge part of the channel, and they want a better idea of how much it will cost to excavate the unwanted sediment. The canal authority knows dredging companies' bids are often very broad, as the dredging company doesn't know what they're getting into with the project until the excavation begins.

With the SuperSting™ Marine Resistivity, the canal authority is able to provide detailed information about where the soft sediment is and where the hard rock is so the dredging company can provide a highly specified bid and save the canal authority a great deal of money.



MORE CASE HISTORIES AVAILABLE ONLINE

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