

# EdgeTech Launches New Sidescan Sonar & Sub-bottom Profiling System



EdgeTech, one of the leading companies in high-resolution sonar imaging systems and underwater technology, has recently introduced a new combined tri-frequency sidescan sonar and high-resolution sub-bottom profiling sonar system.

The 2050-DSS is a tri-frequency sidescan sonar system, where any two, operator selectable, frequencies can be operated simultaneously. The system can be provided with either a 120, 410 & 850kHz towfish, or a 230, 540 & 850kHz towfish. Both towfish options are equipped with a 2–16kHz sub-bottom profiler that utilizes a PVDF panel receive hydrophone. Use of an area-based receive hydrophone panel provides improved beam patterns and therefore improved signal to noise ratios, which in turn means cleaner data for

the operators.

## Cable, Pipeline and Dredging Surveys

The 2050-DSS comes complete with a combined towfish, digital telemetry that runs over a single coaxial cable, a 19-inch rack mount topside interface, and [EdgeTech](#)'s DISCOVER acquisition software. The 2050-DSS can be integrated with several auxiliary sensors such as a magnetometer and USBL responder. Additionally, an interface is fitted to the electronics so that the electronics and sensors can be mounted onto an ROV. The 2050-DSS is ideal for applications such as cable and pipeline surveys, marine construction surveys, pre- and post-dredging surveys and more.

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