

# EdgeTech Launches Two Lightweight Pole-mount Sub-bottom Profiling Systems



EdgeTech, a leading company in high-resolution sonar imaging systems and underwater technology, has recently introduced two new pole-mount sub-bottom profilers to the family of 3400 sub-bottom profiling systems.

Building on the long-running success of the EdgeTech sub-bottom profiler product line, the new ultra-lightweight shallow water and lightweight shallow water over-the-side pole-mount 3400-OTS systems provide users with many innovative enhancements to current sub-bottom profiler systems. The 3400-OTS transmits wideband frequency modulated (FM) pulses utilizing EdgeTech's proprietary Full Spectrum CHIRP technology. The systems use flat multi-channel hydrophone arrays to generate high-resolution images of the sub-bottom stratigraphy in oceans, lakes and rivers and provide excellent penetration

in various bottom types.

## Collecting Complex Analytic Data

The 3400-OTS receiver array is segmented for standard sub-bottom profiling operations or 'pipeline' mode for optimal location and imaging of buried pipelines or cables. The system offers real-time reflection coefficient measurements. This function of the EdgeTech sub-bottom profiler system allows users the ability to collect complex 'analytic' data using linear system architecture to measure sediment reflection and analyse sediment type determination. Additionally, the system has discrete transmit and receive channels allowing for continuous data collection resulting in a high ping rate, which is particularly important for construction and pipeline surveys.

The lightweight 3400-OTS systems are ideal for shallow water surveys using small boats. The sub-bottom profiling systems come as a complete package that includes EdgeTech's DISCOVER sub-bottom acquisition & processing software. The 3400-OTS can also be interfaced to third party software.

For more information, [see here](https://www.hydro-international.com/content/news/edgetech-launches-two-lightweight-pole-mount-sub-bottom-profiling-systems).

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