Deep Tow Enhancements

The EdgeTech 2400 Deep Tow systems provide high-resolution deep-sea surveys, using co-registered side scan sonar and sub-bottom imagery. Additionally, as of 2010, optional bathymetry data is available on these systems. Survey companies and research institutes use the Deep Tow systems to map pipe routes and to search for precious metals such as manganese nodules. The systems provide high quality three-dimensional images of the seafloor and subterranean layers.

The two EdgeTech Deep Tow systems, DT-1 and DT-2, have operational depths of 3,000 metros and 6,000 metros respectively and can operate on a fiber-optic or coaxial cable up to 10 km long. The systems are made of modular slab construction using specialized plastic framing and stainless steel joints that combine to provide a robust vehicle that is easily configured, virtually maintenance free and able to withstand the rigors of deep ocean survey work.

The Deep Tow systems are fitted with EdgeTech's Full Spectrum CHIRP Processing enhancing long range resolutions through improved signal-to-noise ratios. The sub-bottom, side scan sonar and swath bathymetry capabilities are integrated into one tow body along with a host of other oceanographic scientific instruments that provide the users a complete picture of the underwater environment. Additionally, affiliate ORE Offshore provided the acoustically activated emergency cable cutters on the deep tows.