



EdgeTech

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About EdgeTech

EdgeTech designs, manufactures and sells industry-leading side scan sonars, sub-bottom profilers, bathymetry systems and combined sonar systems. Additionally, the company produces world class underwater actuated and transponding solutions including deep sea acoustic releases, shallow water and long life acoustic releases, transponders, reliable USBL acoustic tracking and positioning systems, and custom-engineered acoustic products. The company traces its history back to 1965 when it started out as a division of EG&G Marine Instruments. In 1995, EdgeTech became a private company and selected its name in part to honor the late Dr. Edgerton, an MIT professor, marine instrumentation pioneer and a founder of EG&G. In 2012 ORE Offshore, a leading provider of acoustic releases, transponders and USBL systems, adopted the EdgeTech name after over ten years operating as an affiliate organization within the company.

Opportunities to work together

The company has a comprehensive suite of in-house testing facilities including test pools, acoustic test tanks, pressure test chambers and two company research vessels used for testing and sea trials. These facilities allow the companies to fully test and calibrate every system to ensure the delivery of the most reliable and highest quality products and systems.

In order to maintain and grow the suite of underwater technology solutions manufactured at the company, EdgeTech is continuously in search of new people, technology ideas, innovative ways of utilizing our core technology, and exploring military funding opportunities. Working with Scripps on any of these items could prove beneficial for both organizations. Below is some additional information and examples to that regard.

Employment Opportunities

EdgeTech is always looking for experienced people with sonar/marine backgrounds to join us. If there are students at Scripps interested in a position at EdgeTech, we encourage them to submit a resume for future reference. Additionally, the company maintains current opening on our website:

<https://www.edgetech.com/employment/> EdgeTech offers excellent benefits which include 401(k) with a company match, medical/dental insurance, company paid life insurances, and educational assistance. EdgeTech is an Equal Opportunity Employer.

Testing Equipment

From time to time EdgeTech is in need of larger vessels with access to deep water and an experienced crew to test equipment. We understand that often times researchers are in need of side scans, sub-bottoms, bathymetry systems or combined equipment to do temporary research. It could be beneficial, if schedules align, to combine the two activities of testing and short research for the benefit of both organizations. Scripps could gain the utilization of underwater technology equipment and EdgeTech could benefit from the feedback of live testing in deeper water. Both organizations should keep this in mind and communicate when opportunities arise that may benefit both groups.



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Joint Government work (i.e. SBIR)

EdgeTech is active with the Office of Naval Research and other military organizations and often submits responses for funding opportunities such as SBIRs that require joint industry and university collaboration. Partnering with Scripps on these endeavors may arise in the future. EdgeTech or Scripps could initiate such a venture.

Commercializing IP

EdgeTech is constantly exploring new and innovative underwater technology solutions. The company prides itself on manufacturing and selling quality underwater equipment. We understand that researchers and scientists at universities often come up with unique methods or tools for doing their job that could have a broader reach if commercialized and manufactured by a company like EdgeTech. EdgeTech would be interested to review any intellectual property (IP) for the possibility of commercialization.

If Scripps needs an equipment manufacturer

While EdgeTech manufactures and sells a variety of commercial off the shelf (COTS) solutions for the underwater community, the company also has a great base of core technology that it offers for custom solutions as well. Scripps' researchers and scientists may be able to take advantage of these core capabilities and equipment. An example of a collaboration between EdgeTech and a university can be seen with the work that Tim Stanton and Andone Lavery at Woods Hole Oceanographic Institution (WHOI) have done utilizing EdgeTech equipment. Their studies of fish, zooplankton, and underwater turbulence utilizes broadband acoustics. WHOI researchers, working with EdgeTech engineers, came up with an approach that would allow the standard EdgeTech Full Spectrum Sonar System to perform over a wider acoustic band than any other system in operation. The modifications increased the bandwidth of the unit so it could operate from 1.5 kHz to 100 kHz. Coupled with the hardware modification was the implementation of sophisticated algorithms that provided the necessary analysis of the broadband acoustic signals that reflected, bounced and scattered in the water column. For more information on their work please see this Application Note and YouTube video:

https://www.edgetech.com/pdfs/ut/whoi_sb_app_note.pdf

<https://youtu.be/CRQuID0lwbY>

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