



Dredging Contractor Gains Efficiency with CEE ECHO™ Survey Package

In this customer testimonial, survey operators from a Northeastern USA marine construction company describe how the CEE HydroSystems CEE ECHO™ with Hydromagic acquisition software empowered them to accurately verify grade, improve quality control and accuracy, and reduce project timelines.

Boston Ma – For marine construction and dredging contractors, precise grade control and timely verification are critical to project success and profitability. Atlantic Coast Tug and Marine, LLC (ACT Marine), a leading dredging contractor in New England, has transformed its operational workflow by integrating a new portable shallow water survey system from CEE HydroSystems.

In 2024, ACT Marine invested in the CEE ECHO™ single beam echo sounder paired with Hydromagic survey software. The goal was clear: to bring survey capabilities in-house for real-time quality control and to perform independent clearance surveys immediately prior to final third-party post-dredge surveys.

"We purchased the system to perform our own QC surveys and to conduct clearance surveys just before the official post-dredge survey," explained a spokesperson for ACT Marine. "These interim surveys are essential for ensuring we are hitting our designed depths throughout the project, not just at the end."

The transition to self-performed surveying was smooth. "There's a learning ramp, but after a couple of surveys under your belt, the system and process can be easily mastered," the ACT Marine team noted. Also, support from CEE HydroSystems USA has been excellent. ACT adapted a clamp mechanism to one of their stable, workboats to limit roll and ensuring consistent data collection.

A key advantage is the system's remarkable portability and speed. "The system is extremely portable and efficient to setup. Within 20 minutes, we can setup the system, perform our benchmarks, and begin surveying the intended area," they reported.

and time," the team concluded. This investment in technology has empowered them with greater control, accuracy, and predictability on every project.



CEE ECHO™ portable survey echo sounder.

The results have been definitive. On several recent projects, ACT Marine's in-house surveys using the CEE HydroSystems package allowed them to clear dredge work with confidence. "Our results have been consistent with the third party survey," they confirmed, leading to projects being accepted on the final survey without costly and time-consuming post cleanup work.

The ultimate benefit is a direct impact on the bottom line. By closing the feedback loop between dredging and verification, ACT Marine has significantly increased its operational efficiency. "Our dredging efficiency has increased, reducing costs