

Deliveries Back to Normal for 2023

After several months of component supply challenges that forced engineering design changes, CEE equipment deliveries are officially back to "pre-pandemic" normal. Although transducer supply remains tight owing to manufacturer shortages, even this looks to be easing through 2023. While much of the engineering in recent months was to maintain production, we took the opportunity to upgrade and enhance with superior component options or updated features. The main outcome of this is the latest "Version 4" CEESCOPE and CEE ECHO systems - our best performing SBES yet.

Customer News



Super Shallow Lagoon Restoration Surveys

Coastal zone specialists Coastal Frontiers (CA, USA) submitted a customer story recently detailing their multi-year support of one of the largest habitat restoration projects in California. Ditching their previous echo sounder with a hard drive comprising a pen and roll of paper, the CEE ECHO was drafted in to deal with the very shallow conditions and offer some relief from back pain of echo sounder transportation. The project was excellent news for increasing habitat for the west coast's handsome but endangered Ridgway's Rail marsh-dwelling bird. Read the new CASE HISTORY describing the project [HERE](#).



Dedicated VOO Kits for US Military

After nearly 10 years using the CEESCOPE for nearshore surveys and reconnaissance, the US Marine Corps are set to add the latest CEE military Vessel of Opportunity (VOO) kits to their inventory. The VOO package includes the CEESCOPE echo sounder but also a specially ruggedized side scan and extended life battery modules designed for use even in polar environments. Several mounting kits are included, to provide over the side mounts for inflatables or transom / gunwale mounts for metal boats. All the parts are packaged in Storm cases for easy transportation during deployments. If you are curious about the components in the VOO kit as supplied to several Navies around the world take a look at the kit details [HERE](#).



Maybe a Record - Unmanned Boat Surveys

Detroit Lakes, Minnesota-based TEAM LAB Chemical have been taking their remotely-operated survey program to the next level with the CEE-USV. Last season they notched up about 130 completed surveys, largely in wastewater retention ponds in their region. Considering there's a long winter in Minnesota, the survey team were on the road nearly continuously to get this amount of production over the summer. The survey program is providing ongoing monitoring of TEAM LAB's biological digestion treatment programs to significantly reduce volume of hazardous waste sludge in storage lagoons. Learn more about their program on the CASE HISTORY [HERE](#). Watch the video of the boat in action below.



Product Watch

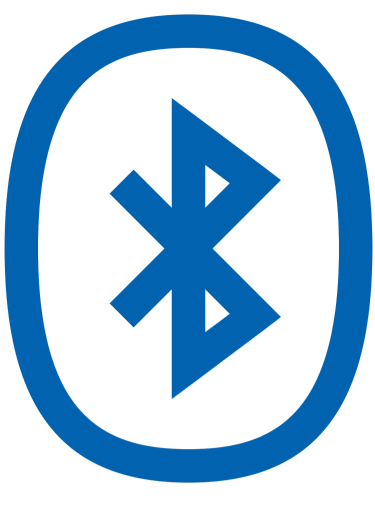


Unusual Add-on: Underwater Camera

One unusual capability for an echo sounder is the ability to operate a camera, but the CEESCOPE-R and CEESCOPE LITE both are able to do this. For a USV the benefit is obvious to help navigate around obstacles. But for manned boat applications involving habitat surveys an underwater camera can be helpful, for instance to validate seagrass / vegetation mapping. Instead of cable spaghetti and various adapters and batteries, using an underwater camera with the CEESCOPE is simply a matter of plugging it in. The onboard POE provides power and the video images pass to the acquisition PC along with the data like magic!

AT LAST - Bluetooth Connections Explained!!!

The CEESCOPE and CEE ECHO are able to connect to external GNSS receivers and output survey data using a Bluetooth link. Especially when using Bluetooth connection to a GNSS receiver, establishing a repeatable link can be tricky. This new guide outlines the steps to establish Bluetooth links - outgoing and incoming. Download the SURVEY NOTES document [HERE](#) and be emboldened to give it a try.



Call for Videos and Photos



Photos, Videos and Application Notes

If you have any photos or videos, or interesting, unusual, or completely routine survey applications related to CEE equipment then please let us know. We are always looking for case history candidates - often that presents a nice opportunity to generate some useful and informative promotional material for everyone. And we do all the work. [CONTACT US](#) if you want to share.

Contact Us:

CEE HydroSystems USA, Inc.

701 Palomar Airport Rd, Suite 300

Carlsbad, CA 92011 USA

t: +1 760 492 4511

adrian.mcdonald@ceehydro.com

CEE HydroSystems

1/12 Cecil Rd - Hornsby, NSW 2077

Australia

t: +61 2 9482 5880

sales@ceehydro.com