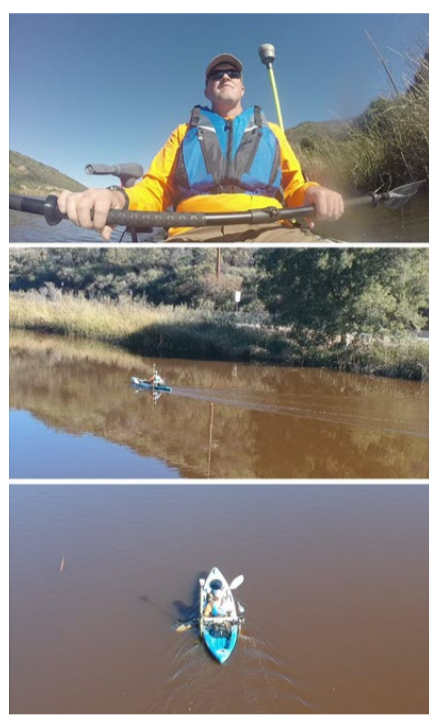


How do Your Survey Lines Compare?

With the year 2020 approaching fast, it sounds like the future is really here. While we are not yet riding around in gravity-defying cars with android companions, robotics and automation are here. Compare your survey lines to the pattern above. No, it has not been artificially snapped to a line! This is a real **THREE METER (10ft) SPACED** survey pattern collected with the CEESCOPE-LITE™ echo sounder on the latest CEE-USV™ with robopilot. The cross track error is practically unmeasurable. Find out more on this new option below, one of several futuristic products from CEE HydroSystems coming in 2019.

Customer News



Simplifying a Small Lake Survey

Recently California USA land survey firm GIS Surveyors Inc completed a small lake bathymetric survey near Los Angeles. The job was ideal for the CEE-LINE™ echo sounder and a motorized kayak. With a Trimble TSC3 data collector and R10 GNSS rover, Gavin McKellar of GIS plugged the CEE-LINE into the TSC3 and got to work. With Trimble Access set to continuous topo with at least 2 Hz GNSS, Gavin's kayak was rigged up with a trolling motor on one side and the CEE-LINE on the other. This is a great example of a small-scale survey where a land survey-type approach using a data collector is a valid method. Read the [NEW CASE HISTORY HERE](#).



Trans Alaska Pipeline Surveying News

The CEE-USV™ was introduced to perform depth of burial surveys along the Trans Alaska Pipeline System (TAPS) in 2018. Now you can read more details about this "textbook" application of a high-performance USV. Read the new [CASE HISTORY HERE](#).



Frigid CEE ECHO Training with BayLand

Ice breaking was required during the CEE ECHO field training with Baltimore environmental engineering specialists BayLand Consultants & Designers in January. Offering high quality hydrographic survey and support services around the Chesapeake Bay region with their new CEE gear and HYPACK acquisition package; read the new [CASE HISTORY HERE](#).



Cajun CEE-USV in Southern Louisiana

For surveys in paper mills, the CEE-USV presents a professional tool for environmental specialists who don't want their clients to see them using a toy-looking boat on their effluent lagoons! The newest Cajun-USV was in action on Lake Pontchartrain during user training.



Product News



Robotic Surveys for CEE-USV are Here

With the critical design requirement being absolute simplicity of operation, CEE and marine autonomy experts Dynautics have developed a fully integrated and unique autopilot solution for the CEE-USV. With no requirement for additional software and no added complexity in on-shore communication, the new system is a simplified solution, just like our echo sounders. **STAY TUNED** for more details.



Manual or Automatic Track Following

Fully integrated into hydrographic acquisition software, the new CEE Robopilot allows the operator to simply flick a switch on the RC controller to send the boat automatically around the survey track. No remote on-board PC and no science experiment.

New Videos



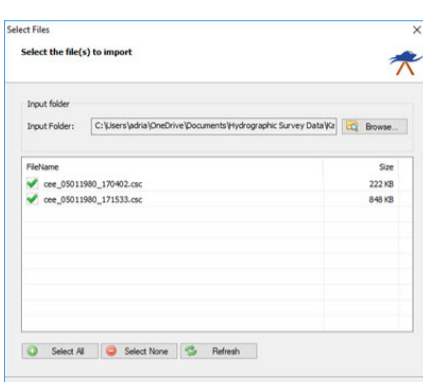
Software News

New Hydromagic Licensing Option

Hydromagic software is moving to an optional license system that no longer requires a physical dongle. There's pros and cons of the new PC activation licensing but existing users need not do anything and dongles will continue to be supported.

Using NTRIP in HYPACK and Hydromagic

Recently we have supplied "stripped down" CEESCOPE RTK echo sounders that were designed specifically for network corrections with no UHF base station. However for any standard RTK CEESCOPE user, receiving corrections through the internet is easy. We wrote up a "how to" guide [DOWNLOADABLE HERE](#).



Conferences and Exhibitions



Ocean Business - Southampton, UK

If you are visiting Southampton for the Ocean Business event, come and visit our UK agents Swathe Services on stand M2.



Meet us at US HYDRO 2019 Biloxi

We will have our full range of single beam survey echo sounders on display. Visit us on stand 19.

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