



Single Beam Surveying - (Still) Alive and Kicking

With the focus on advanced multibeam echo sounders for many survey projects, especially in the marine environment one might be forgiven for thinking that single beam methods are dying out. Not so! Here are some examples of new single beam users with smaller scale survey challenges that would never be a realistic scenario for a multibeam deployment. The simplicity of the single beam acquisition process allows great improvements in efficiency compared to manual measurements with little requirement for extra training.

Customer News



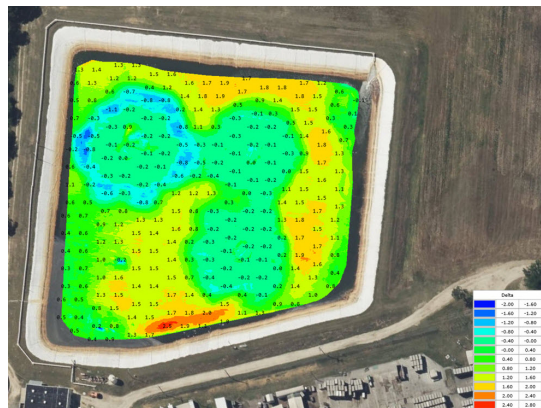
CEE LINE Used for Bridge Surveys in Germany

Thanks to Dipl.-Ing. Michael Saam at Ingenieurbüro Saam GmbH in Germany for sending us details of his surveys with the CEE LINE echo sounder. Usually used with Trimble GNSS or total station for bridge engineering related surveys, the CEE-LINE has been a dependable partner - something that was previously not the case for various rental systems over the years. Read the new [CASE HISTORY HERE](#).



CEE ECHO Replaces Old School Methods in Florida

Engineering and permitting specialists Blue Arc Engineering, Fort Myers FL ditched their range pole and switched over to the CEE ECHO with a hydrographic survey methodology for their on-water surveys. Time saving and an improvement in data density were factors leading to the investment. Find out more on the new [CASE HISTORY HERE](#).



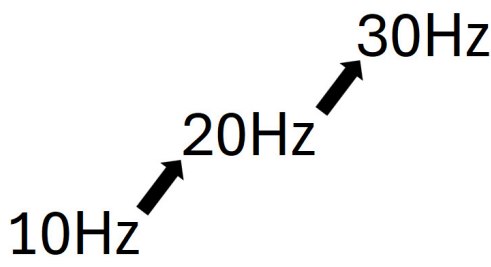
CEE-USV - Sludge Buildup in Effluent Lagoons

CEE-USV users in North Carolina, USA undertook a recent survey project to quantify the sludge deposition volume over two years' operation at an industrial wastewater plant. Using Hydromagic, results can be compared from year to year giving a precise volume of sludge built up - or removed - in the survey area. To see some more details, read our news article [HERE](#).

Product Watch

CEESCOPE / CEE ECHO - NEW 30Hz Ping Rate

Nowadays, single beam datasets are looking fairly small in terms of file size; there is really little downside associated with increasing ping rates. So we did. Going from 20Hz to 30Hz is not going to affect most surveys however occasionally having the absolute most pings available can provide useful benefits. More detail - especially for unusually high survey speeds, and more pings on target under challenging conditions.



Setup Video: CEE-LINE and Hydromagic

Detailed Video on CEE-LINE Setup

This video explains the complete setup of the CEE-LINE echo sounder in Hydromagic software, and also operation of our CEE LINE CONNECT utility. Brief setup instructions for a Bluetooth GNSS receiver are also included using the Emlid Reach RS as an example, but the general principles would apply to any survey GNSS to be connected to Hydromagic.



Product Promotions

SPECIAL PRICING - Dual Frequency Activation

Through January 2026, for the USA hit by tariff-related price increases we are now offering special DUAL FREQUENCY pricing for NEW CEESCOPE and CEE ECHO systems. If you have been thinking about an echo sounder acquisition with both channels activated, then now is a great time as we will be supplying the second channel activation at zero cost (was \$1650).

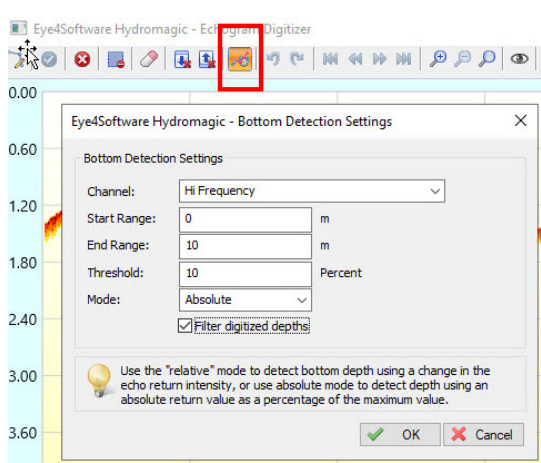
Software Update

Automatic Depth Digitizer Tool

A potentially useful tool has been hanging out in the Hydromagic "Digitize Echogram" menu for a while. This tool will automatically rescan the RAW file and recalculate the digitized depth. The depth detection parameters can be adjusted to pick out the right surface. Maybe useful when dealing with double echo reflections or other spurious data signals.

HYPACK 2026 - New Orleans, Louisiana

We will be exhibiting at the annual HYPACK user training conference, this time at the Hilton New Orleans Riverside hotel. Come and see us January 12-15th.



CEE HydroSystems USA, Inc.
701 Palomar Airport Rd, Suite 300
Carlsbad, CA 92011 USA
t: +1 760 492 4511
adrian.mcdonald@ceehydrosystems.com

CEE HydroSystems
1/12 Cecil Rd - Hornsby, NSW 2077
Australia
t: +61 2 9482 5880
sales@ceehydrosystems.com

CONTACT US

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