

Hydromagic 7.0 Released

A new version of Eye4Software's professional hydrographic survey package, Hydromagic version 7.0, has been released to the public. New in version 7.0 are more features for dredging companies. It is now possible to buy an add-on module to monitor the dredging operations on dredging vessels, and the volume reporting tools have also been improved.

For mining customers functionality has been added to calculate staging volumes for frac pits. This option calculates the volume of water below multiple levels or stages.

Automatic Data Cleansing

The single beam processing unit has been equipped with a lot of new features, including automatic data cleansing using mean and median filters, and the software can now correct your sounding data for heave, roll and pitch motions when an IMU unit is used.

The geodesy support has been expanded with new coordinate reference systems and geoids, including the whole new NAD83(2011) definition grids, global geoids like EGM84 and EGM96 and geoid models for Argentina, Bolivia, Greece, Italy, Morocco, Norway and Poland.

Since most computers these days are installed with a 64 bit operating system, we now offer a 64 bit version of the software as well, allowing the software to take full advantage of the system memory.

Post Processing Software

The main purpose of this software is to map the bottom of rivers, reservoirs, frac pits, ponds and oceans in 3D. This is done using a connected RTK receiver together with a hydrographic echosounder. Once all raw position, motion and single beam (dual frequency) echosounder data has been collected during the survey, this data is corrected and synchronized, and finally a sounding file is generated. Using various post processing options, the sounding data can be used to generate bathymetric maps, depth contours, XYZ data to export to other processing software, (dredging) volume reports and more.

The software package is according to Eye4Software known to be user friendly, easy to learn and low cost compared to other hydrographic survey software packages. The software is in use by dredging, mining and survey companies around the world.

- [Eye4Software Hydromagic on Geo-Matching.com](https://www.hydro-international.com/content/news/hydromagic-7-0-released)