

HYPACK 2017 Hydrographic Training Event

The HYPACK 2017 Hydrographic Training Event is scheduled to be held in New Orleans, Louisiana, USA, from 9-12 January 2017. The Hilton Riverside New Orleans will provide accommodation and host the event. During this event, Hypack will reveal the newest version: HYPACK 2017.

The HYPACK Hydrographic Training Event is a low-cost method to receive comprehensive instruction in HYPACK, DREDGEPAK and HYSWEEP software for all. The programme includes a general training session—for those who are just beginning to use HYPACK or those who wish to have a refresher—and expert sessions for in-depth training on a particular subject. For participants requiring help with an individual issue or question, one-on-one sessions with our technicians and programmers are also available throughout the event.

Hypack Certification

Attendees have the opportunity to become [HYPACK-certified](#) in HYPACK and HYSWEEP after the HYPACK 2017 Training Event. This test is given upon the completion of a three-day HYPACK Training Seminar. Participants must demonstrate advanced knowledge in survey design, hardware configuration, survey, single-beam processing, sounding selection, multibeam calibration and processing, volume computations, and general hydrography in order to pass.

New in HYPACK 2017

The following is a preview of some of the new features and enhancements that are included.

Survey Planning

Exportable mission planning line files support work with autonomous surface vehicles.

New device drivers include

- Canon DSLR camera with remote triggering and post processed georeferencing capabilities,
- Reson T20 & T50 (and dual head),
- Klein 5000 bathy,
- PicoMBES, and
- Kongsberg Seapath INS and PulSAR sidescan.

Additionally, the Multibeam Coverage driver provides an on-the-fly line plan from newly collected multibeam data; and the NOAA Weather Station driver displays current weather information from the nearest NOAA station based on vessel position. The updated SonTek HydroSurveyor driver supports DVL.

Data Collection

Real-time sidescan mosaic for multibeam backscatter; simultaneous multibeam automatrix and sidescan mosaic coverage map, anchor sweep displays to monitor ship movement; and Real-time Cloud displays intensity data.

Data Processing and Final Products

Our new, 64-bit Single Beam Editor (SBMAX64) emulates our MBMAX64 interface and adds the flexibility to simultaneously process all beams from multi-transducers, including the SonTek HydroSurveyor.

MBMAX64 includes new routines: WOBBLE64, a wobble correction routine; and a vegetation filter to help distinguish the true bottom. You can apply your sound velocity profile based either on time or on time and position; and export selected areas from your Cloud, or Profile display to XYZ data files.

HYSCAN provides new Imagery tools to mark areas where the mosaicking process omits the scan data, which is useful for removing poor resolution turn data common in AUV sonar missions. HYSCAN also now supports direct import of select 3rd party file formats.

HYPACK Sub-Bottom

Our new HYPACK® Sub-Bottom license supports collection and processing of only sub-bottom sonar data. This is a lower-cost option if you use only a sub-bottom sensor in HYPACK®.

Industry Partners Exhibiting

There will also be an opportunity to visit exhibitors from the industry's leading hardware manufacturers, equipment resellers and service providers at HYPACK 2017.

Please find all information and registration on the dedicated [HYPACK 2017 event website](#).

<https://www.hydro-international.com/content/news/hypack-2017-hydrographic-training-event>
