

SONARWIZ FOR BATHYMETRY

by Chesapeake Technology

SEAFLOOR MAPPING: EASIER, FASTER AND SMARTER, WITH SUPPORT YOU CAN COUNT ON

Collecting and processing bathymetry data is a breeze with the SonarWiz workflow and toolset. From the helm display, with a Plan View, Coverage Map and directional indicators, to the automatic, whole survey gain optimization - you can produce near seamless amplitude mosaics right off the boat with little effort. Automatic and semi-automatic statistical filters, including grids and editing tooling are great for polishing data. Whether you're working with multibeam or interferometric bathymetry data, SonarWiz for Bathymetry is a powerful and time-saving solution for your data acquisition and post-processing needs at a competitive price.

MBES APPLICATIONS

Get the most from your MBES system on time and within budget with SonarWiz: Bathymetry. The Vessel Editor makes configuring sensors and sonar a breeze—select your hardware or choose a saved configuration and be confident you set everything up correctly by looking at 3D the vessel model. Data acquisition is made easier with real-time shaded relief visualizations making it easy to understand how your setup is performing. From there, enjoy a broad palette of features designed to streamline post-processing, including advanced backscatter gridding surface options, configurable EGN tables, and amplitude data correction tools.

INTERFEROMETRIC APPLICATIONS

Chesapeake Technology is the industry leader in interferometric data acquisition and processing. We know the physical limitations of these systems and have built a post-processing toolset that lets you exploit the wide swath and excellent backscatter while mitigating for their low survey precision. This includes capabilities such as advanced track line filtering options designed specifically for interferometers and area-based editing filters that cut through water column noise while preserving the seafloor.

BATHYMETRIC POST-PROCESSING WORKFLOW

- Define boat specs and sensor positions relative to the vessel reference position with the Vessel Editor
- Create a new project & import your bathymetric data files
- Load and merge raw bathymetry data (range/angle) with attitude data (roll/pitch/heading), sound velocity Casts, tide files and auxiliary navigation data
- Manually inspect and filter navigation
- Filter then grid bathymetry data
- Perform sensor calibration through Patch Testing
- Fine tune your bathymetry with Swath and Area Editors for isolating and excluding outliers
- Visualization Output: XYZ, Gridded Bathymetry and Contours
- Export your final product!

LEARN SONARWIZ

A variety of options are available for learning SonarWiz.

- On-Site hands-on training tailored to your needs at your location
- Pre-scheduled hands-on training set throughout the year at locations around the world
- Topical information is provided through quarterly company webinars

YOUR EMA

We're constantly upgrading SonarWiz, whether its to add or refine features, expand compatibility with other software and hardware, or integrate new and advanced algorithms to better process your data. While you'll always have the version of SonarWiz that you purchased, EMA license renewals give you access to the latest version of SonarWiz, quarterly release notes and 24/7 technical support.

FEATURES (ACROSS THE BOARD)

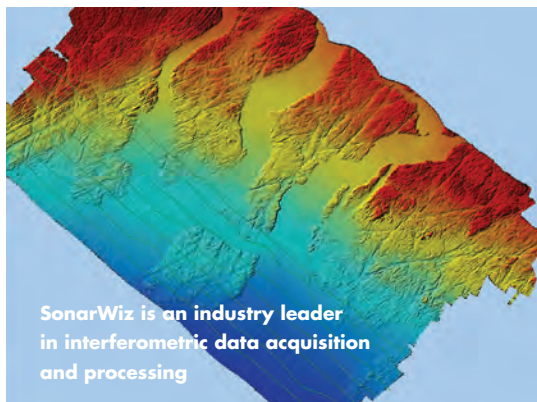
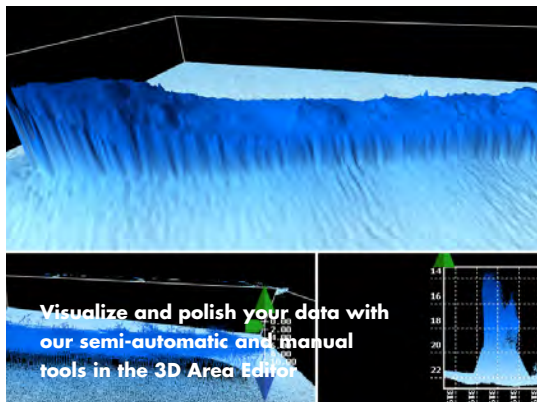
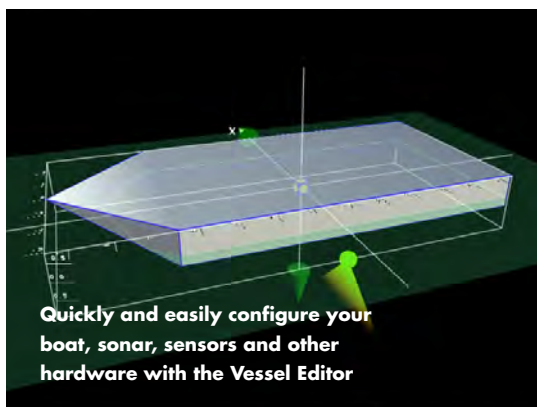
- Modern survey calibration tools
- Full support for wide-swath systems including interferometers and dual-headed multibeam.
- Efficient and bathymetry editing tools
- Whole-survey backscatter normalization for better looking mosaics
- Export data to more than a dozen GIS, CAD and image formats
- Integration bathymetry with sidescan, subbottom and magnetometer data sets for complete geophysical analysis

POST-PROCESSING FILE COMPATIBILITY

ALL, HSX, JSF, R2S, RDF, S7K, SXI, SXP, DTF

REAL-TIME DATA ACQUISITION OPTIONS

- EdgeTech 2200, 2205, 2400, 4600, 6205
- R2Sonic: 2020, 2022, 2024
- PingDSP: 3DSS-DX/SX-450



FREE TRIAL

Interested in trying out **SonarWiz**? Fill out the quick form at chesapeaketech.com/products/trialrequest.php

SONARWIZ

CHESAPEAKE TECHNOLOGY

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