FLEXIBLE, EASY-TO-USE BATHYMETRY AND IMAGE PROCESSING TAILORED FOR GEOPHYSICAL EXPLORATION AND ANALYSIS

- Streamlined workflow saves time and reduces training costs
- Impressive image processing results for most sonars
- Integrates with Sidescan and Subbottom modules for multisensor projects
BATHYMETRY
SonarWiz Bathymetry contains all the tools you need to calibrate, edit and render your bathymetric data, including support for AUV surveys with post-process navigation and attitude injection tools. SonarWiz has special support for geophysical and exploratory surveying offering 6 different gridding algorithms, volumetric and difference calculators, grid interpolation, and vector contouring. Export data to more than 20 supported GIS and CAD formats.

IMAGE PROCESSING
SonarWiz processes the acoustic backscatter simultaneously with the bathymetric soundings. This means that you can switch between rendering bathymetry or acoustic backscatter on the fly in any of the editors or displays. SonarWiz utilizes statistical normalization algorithms on the imagery optimized for habitat classification and mosaic generation. The algorithms are designed to work on any system, including older uncalibrated sonars, interferometric sidescan systems, even damaged systems. Use the Seabed Characterization Tool to segment your survey before ground truthing.

VISUALIZATION
SonarWiz contains interactive 3D visualization tools where bathymetry and acoustic backscatter can be easily combined with sidescan and sub-bottom profile (SBP) data to make impressive visualizations of your survey area.

LICENSING
Sidescan and Sub-bottom (SBP) are available standalone. Bathymetry (Bathy) and Magnetometry (Mag) are available as add-ons, or bundled in various configurations. **Office Post-Processing Suite** includes post-processing for Sidescan, SBP, Bathy and Mag. **Data Acquisition Suite** includes acquisition for Sidescan, SBP, Bathy and Mag. **Does It All Suite** includes both post-processing and data acquisition for Sidescan, SBP, Bathy and Mag. Network and Education licenses available.

SUPPORTED INTERFACES
Analog sonars: C-Max, EdgeTech, GeoAcoustics, Klein: digital sonars such as Atlas NA. C-Max, Edgetech, Falmouth Scientific, GeoAcoustics, Imagenex, Klein, Knudsen, Kongsberg, R2Sonic, SyQuest, Teledyne, Titech

FILE FORMATS
JSF, RDF, RFF, HSX, HS2, HS2X, 83P, SDF, ALL, SL3, R2S, S7K, 7K, SXI, XTF, NWSF
**Recommended PC** 64bit, Win 10, DirectX11+, 8GB, SSD, USB port.