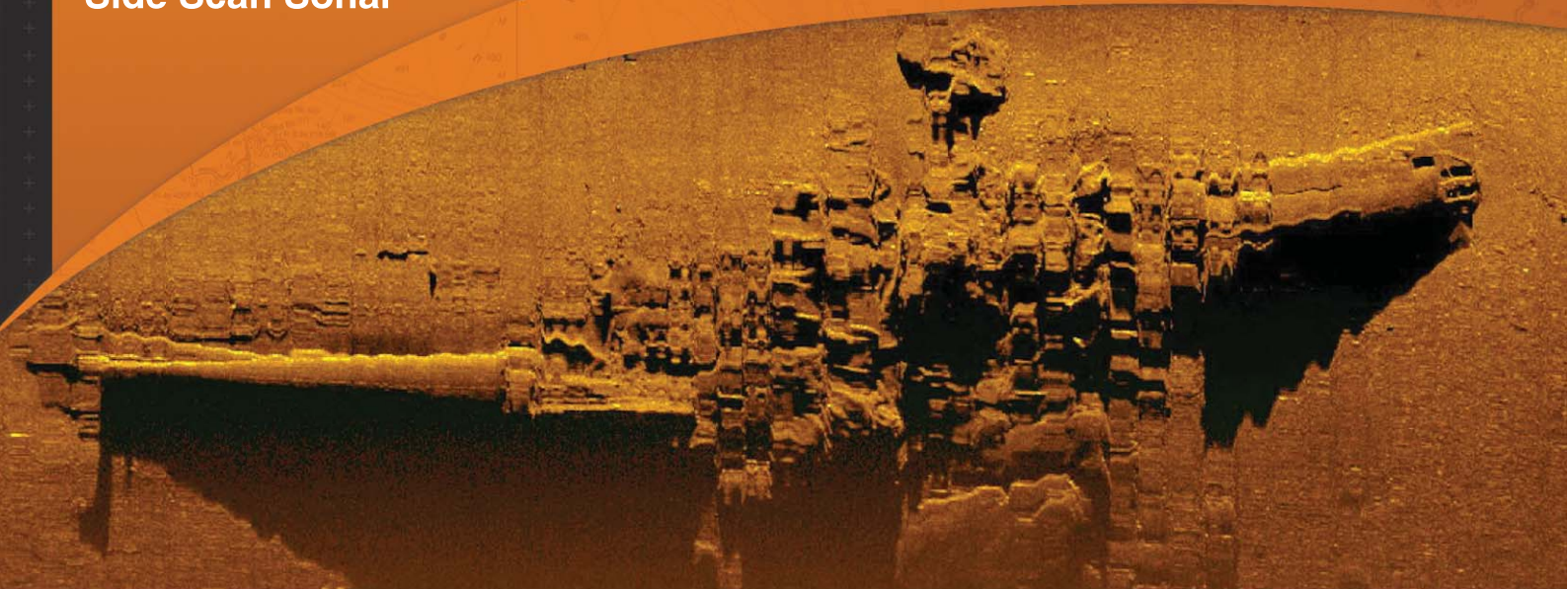


QINSy

Side Scan Sonar



Powerful Side Scan Sonar imagery display

During on-line data acquisition Side Scan Sonar (SSS) is viewed with the Side Scan Sonar Imagery Display. This display offers the same look and feel as the traditional SSS printers. SSS data in the SSS display scrolls from top to bottom.

That's where the comparison stops. Making full use of the digital environment, signal normalisation, compression techniques and colour intensity are making the difference.

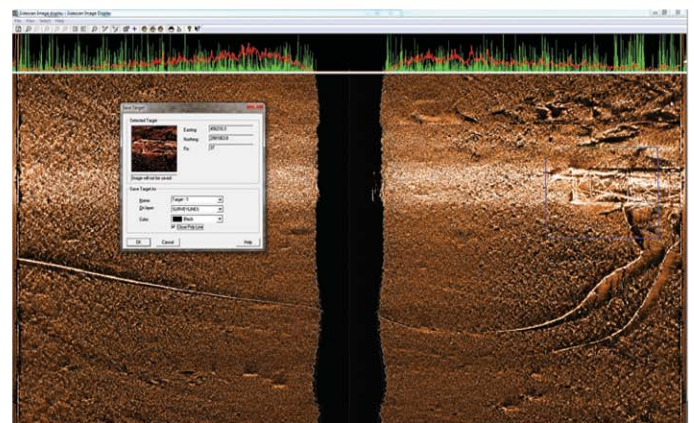
On-line the user has tools to identify targets in real-time and export those targets as GeoTIFF or QINSy Mapping file to the Navigation display. Object height, pipeline free span and range and bearing measurements are part of the available tools.

Slant range correction using external devices, bottom tracking algorithm or fixed value complete this application.

QINSy supports both analog and digital Side Scan Sonar. For some systems A/D convertor cards from ADLink can be interfaced.

The following SSS systems are supported by QINSy:

- Analog Side Scan (0-5V Neg/Pos trigger)
- Benthos C3D - C-MAX CM2
- EdgeTech DF1000 / 4000
- GeoAcoustics GeoSwath Sonar
- L3 Klein 2000 / 3000 / 3900 / 5000 / 5500
- L3 ELAC Seabeam 1000 series Seabed Image
- Imagenex SportScan, YellowFin
- R2Sonic 2024 Seabed Image
- Reson Seabat 7K / 81xx / 900x Seabed image / Snippets
- SEA SwathPlus
- Kongsberg Maritime EA Series Side Scan Sonar
- Kongsberg Maritime EM Series Seabed Image



Typical QINSy Side Scan Sonar display

QINSy can also store the SSS image to the multi-layered sounding grid, and can be combined for instance with multibeam data. SSS data is also exportable to GSF and XTF on-the-fly or in post-processing.

Side Scan Sonar Processing and Mosaicing

As an extension on the SSS imagery display, SSS Processing and Mosaicking will provide a SSS Viewer that allows the user to scroll through the recorded SSS data and select targets using the mouse and save them as GeoTIFF or QINSy Mapping files. The designated targets will be stored in the form of full resolution images, together with time and position of the data. The processing functionality offers the ability to generate a full survey mosaick. The SSS imagery data will be georeferenced to the surface defined by the bathymetry data.