

Triton SSS-Suite™

Survey Planning, Data Collection, and Data Processing Software for Sidescan Sonars



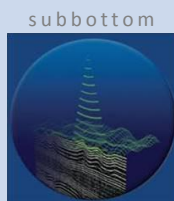
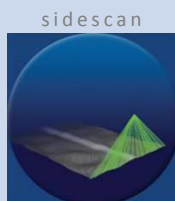
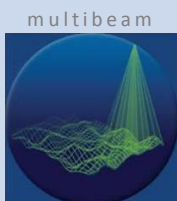
Triton's new SSS-Suite is an integrated software package that provides everything needed to plan and conduct sidescan surveys, and to process collected data into accurate geo-coded mosaics, to acquire targets and to perform seabed classification.

Triton's sidescan collection and processing tools have been developed for over 25 years! Isis® continues to be the most advanced sidescan sonar acquisition software available today, with extensively field tested core components and interfaces to the latest sonars. Multi-core parallel processing in Triton's Perspective processing software provides innovative processing options capable of crunching through very large datasets to produce the highest quality results.

SSS-Suite consists of the following four software packages.

- **ISIS Offshore-SSS** interfaces to the sonar and ancillary sensors and correctly logs navigation and sidescan imagery data into industry-standard XTF data files.
- **Survey Pro-SSS / Process RT-SSS** combination provides the ability plan complex surveys, monitor data quality in real-time during data collection, and perform real-time data processing.
- **Perspective-SSS** is the production data processing package that provides all of the special tools necessary to produce accurate mosaics from sidescan sonar data.

Whether surveying for hydrography, mine hunting, subsea developments, harbor security, natural resource exploration, habitat mapping, or scientific research, Triton SSS-Suite has the tools needed to provide the highest quality results!



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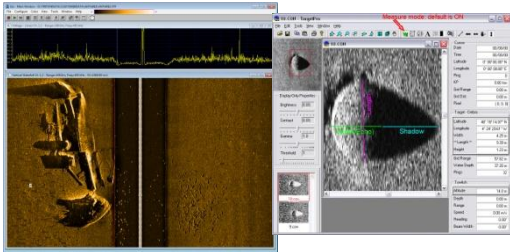
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www.tritonimaginginc.com

Triton SSS-Suite™

Survey Planning, Data Collection, and Data Processing Software for Sidescan Sonars

ISIS Offshore-SSS



Data Logging

- Sonar data and control interface
- MRU and GPS interfaces
- Target capture from waterfall

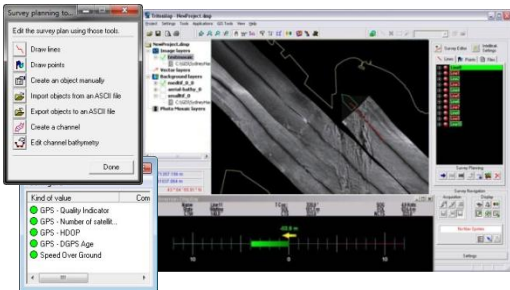
Real-time Data Displays

- Imagery waterfall, signal graph, parameters
- TVG, slant range correction, palette, BAC/GAC

File Output

- Industry standard XTF files
- Contacts as Triton CON files plus GeoTiff format

Survey Pro-SSS / Process RT-SSS



Survey Planning

- Map-based drawing tools
- Import external line plans

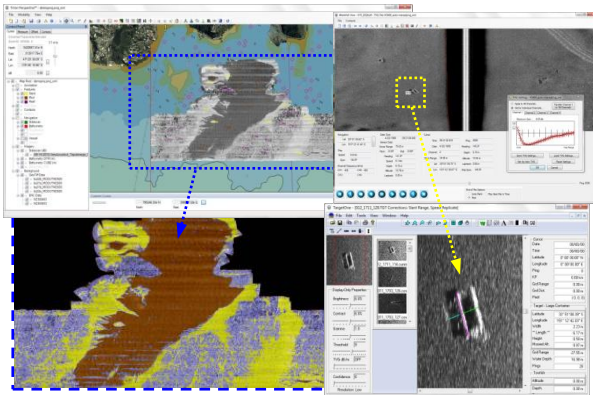
Real-time Survey Control

- Map display of multiple vessel tracks
- Helmsman line position display
- User configurable alarms

Data Monitoring and QC Processing

- Sonar data quality monitor
- Real-time mosaic creation and map display

Perspective-SSS



Data Input and Display

- Multi-layer, GIS based display
- Import raw data (XTF) files, GeoTIFFs, bathy DTMs, sidescan mosaics, vectors, ENCs, etc.
- Click on survey line to display raw data

Mosaicing

- Navigation processing/smoothing
- dB-based imagery with auto-TVG corrections
- Topographic and pitch corrections
- Advanced bottom tracking tools

Data Analysis

- Target acquisition from waterfall or mosaic
- Segmentation based seabed classification

Exports

- XYA, GeoTIFF, KML

SONAR COMPATIBILITY

- Klein
- Edgetech
- Benthos
- C-MAX
- Innomar
- Marine Sonic
- Tritech
- plus others

SYSTEM REQUIREMENTS

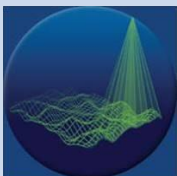
- Windows XP, Windows 7, or Windows 8
- 32-bit or 64-bit
- 2GB RAM minimum

CONTACT US

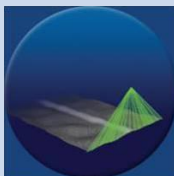
Contact us for demo licenses, tutorials, price quotes and for software purchases at:

sales@tritonimaginginc.com

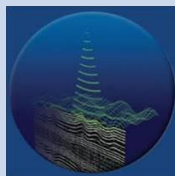
multibeam



sidescan



subbottom



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