NORBIT

DATA ACQUISITION SOFTWARE

NORBIT's bathymetry solution now includes data acquisition (DCT), this survey utility tool aims to simplify standard bathymetry survey operations. The bathymetry grid is displayed in a web browser allowing quick indication of the coverage and data quality in real-time while running the survey.

DCT is especially suitable for small boats and single-person operations as well as USV's with low-bandwidth radio connectivity to the operator. DCT can be operated from a simple touch screen of a navigation plotter, tablet, smartphone, or PC and offers lean web browser accessible tools to efficiently plan the survey mission. With a tap of a finger or by a mouse click, users can draw lines, generate several wing lines with given spacing in just seconds. Each line can be adjusted, moved, rotated, resized, or deleted as needed.

The available real-time displays in DCT are depth, sounding density, backscatter, and standard deviation. All four displays run concurrently on one, or several clients, e.g. skipper can view depth display and surveyor, or QA remote assistant can view standard deviation and sounding density display.

The background Google maps can be set according to user preferences differently on different clients. DCT offers a simple, reliable data collection method, with predictable and known data outputs. With DCT, all data is collected in NORBIT *.wbm file as well as in popular *.s7k file format. Collecting everything with respect to the ellipsoid can allow larger organizations to send less experienced personnel into the field without the worry that geodetic settings will be incorrect. DCT is a utility to securely and efficiently run hydrographic surveys, collect high-quality survey data, and make them available for the processing software.
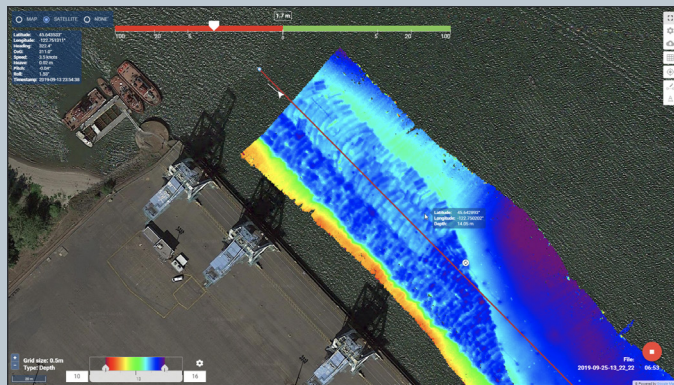
With the simple user interface DCT comes with a powerful data sharing capabilities based on PostGIS and GeoServer frameworks. DCT supports standard WMS and WFS protocols offering seamless integration with GIS software such as QGIS and other for immediate data access and further processing in any user workflow.

DCT is sold with NORBIT's integrated ultra-high-resolution sonars.

DCT - SIMPLY EASY!

Simple interface

- Runs in a web browser
- Only the options you need
- Easy to use right-click menus
- Easy to learn and use
- Allows junior surveyors to collect quality data
- Survey the way you want with consistent data collection
- No need to worry if the software was set up correctly
- Easy to troubleshoot data processing
- Can be used simultaneously with other acquisition software
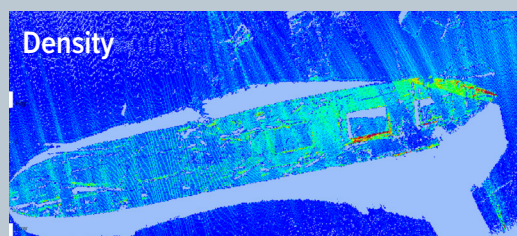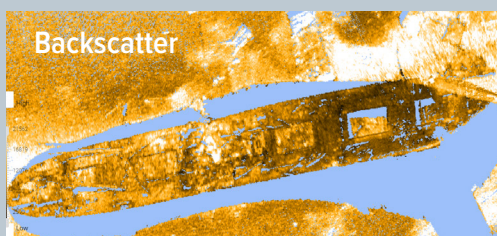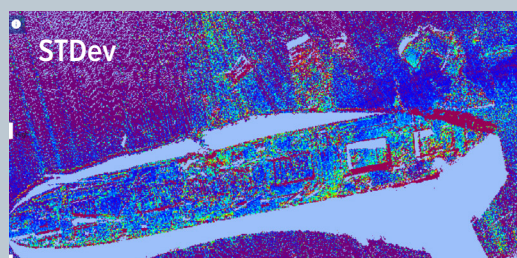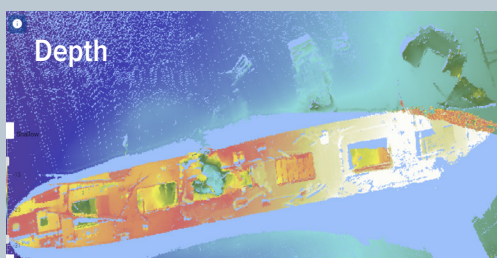

DCT - MADE FOR EVERYONE!

Inexperienced surveyors

- Minimal training needed to collect IHO quality data
- Allows the user to focus on the survey operations & data collection, not acquisition software settings

Experienced surveyors

- Used in simple operations and obtain the results faster
- Used on small vessels with no room for large screens
- Rapid mobilisation on the vessel of opportunity

Available real-time displays

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