TELEDYNE CARIS
Everywhereyoulook™
Part of the Teledyne Imaging Group

CARIS Collect

Acquisition software to complete the Ping-to-Chart solution

Teledyne CARIS has partnered with Teledyne Marine to leverage years of leadership in the marine survey market to create **CARIS Collect**, a modern and easy to use software package for data acquisition. As the latest addition to Teledyne CARIS's **Onboard360** suite of software for bringing efficiency and confidence to survey operations, the CARIS Collect module provides simple and effective data collection for sonar and laser scanner (lidar) systems.

CARIS Collect makes setting up marine surveys simple with its completely redesigned user interface for creating and managing projects and vessels. With an intuitive user experience, CARIS Collect is easy to integrate into operation and enables new operator to get up to speed quickly.

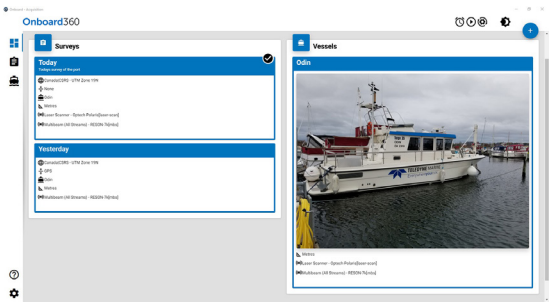
PING-TO-CHART

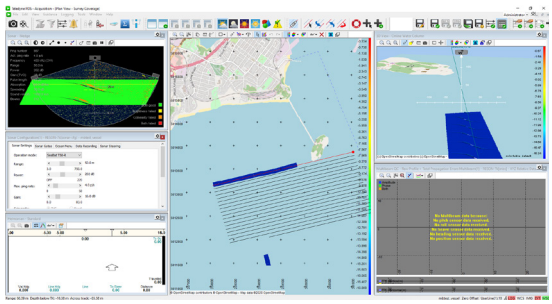
With the release of CARIS Collect, customers can enjoy the full value of having a complete CARIS **Ping-to-Chart** solution. The solution provides tools for the entire Hydrographic survey workflow, starting with the data collection and processing, through to data management, products, and distribution services.

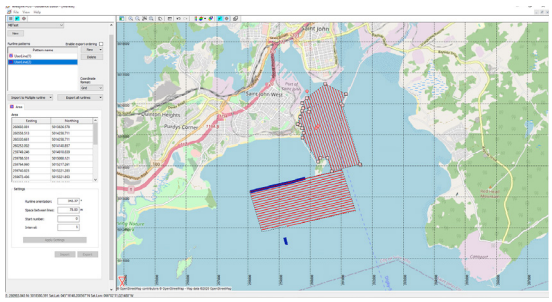
CARIS Collect provides a seamless flow of data into the Ping-to-Chart workflow with all raw data, auxiliary files, vessel parameters and computed solutions (eg. GPS Tide). When coupled with the Onboard360 **CARIS Process** module, logged data is imported and processed automatically during the survey, allowing near real-time and remote quality monitoring of the survey progress.

FEATURES

CARIS Collect provides tools for interfacing and collecting all of the sensor streams necessary to complete high quality and professional survey projects. This includes support for most multi/single-beam sonars, laser scanners, and the auxiliary positioning, navigation and sound velocity sensors. There are several tools and online displays available to support running pre-planned and free-hand surveys. The survey planning tool allows pre-planned survey lines to be generated and loaded into a project for use in map and helmsman views. There are several options for online views which allow raw and georeferenced data streams to be viewed live, as the surveys progresses, in 2D/3D and waterfall displays. Several corrections for sound velocity, and water levels can also be applied during data collection.







www.teledynecaris.com/onboard360

SPECIFICATIONS

Supported Inputs	
System Types	Single Beam, Multibeam (bathymetry, backscatter, watercolumn), laser scanner
Multibeam Systems	Teledyne BlueView, Imagenex, Kongsberg, Norbit, Pico, R2Sonic, Teledyne Odom, Teledyne RESON
Singlebeam Systems	Deso, Elac, Imagenex, MarineSonic, Navisound, Odom, Simrad, SonarMite, Tritech, Valeport, Generic, NMEA
Laser Scanner Systems	Teledyne Optech, MDL, Renishaw, Riegl, Sick, Velodyne
Positioning Systems	Applanix, iXsea, Kearfott, Novatel, Octopus, SBG, SeptenTrio, Generic, NMEA
Motion Systems	Applanix, GeoSwath, iXsea, Kearfott, MarineSonic, Novatel, Octopus, PingDSP, SBG, simrad, Seatex, Sonardyne, TSS, NMEA

Online Corrections	
Sound Velocity Correction	Supported
Vertical Adjustment	Modelled with tidal network support, GPS Vertical + Separation Model / single value
Sounding Cleaning	Depth/Range Filters
Gridding	Binning
Gridding Layers	Deep, Density, Mean, Std Deviation, Shoal

Online Displays	
Background Format Support	Open Street Map, Open Sea Map, dxf, geotif, shapefile
Geographic Views	Plan, 3D
Sensor Views	Raw Sensor streams, bathymetry waterfall, imagery waterfall, sonar wedge (2D and 3D), device control
Helmsman display	Yes

Exports	
File Types	PDS and Teledyne Reson S7K *(coming soon)*

ADDITIONAL INFORMATION

For additional information about Onboard360 contact our sales team at www.teledynecaris.com/contact