CodaOctopus
Sound Underwater Intelligence
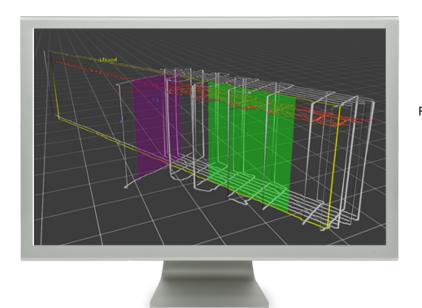
Benefits

Increased Productivity*
Powerful: manage huge datasets
Fast: Ten times improvement in data preparation times*
Reduced reporting costs*
3D Viewer for Seismic Interpretations
Easy to Use: intuitive user interface increases efficiency
Expert 24x7 Technical Support

*compared with Coda GeoSurvey™ in independent tests

The most productive and intuitive tool for seismic data processing, interpretation and reporting

Seismic+ is an advanced software package for the processing of seismic and sub-bottom profiler data. Built on over twenty years of experience that have made our geophysical software a worldwide market leader, Seismic+ brings survey tools up-to-date with the latest database and GIS technologies.

Based around a flexible database, Survey Engine® gives fast access to all survey information, even from the largest datasets. As a result, Sidescan+ offers exceptional time-saving advantages when processing and interpreting sonar data. Sidescan data can be fully integrated and processed in the same project through the addition of the Sidescan+ and Mosaic+ modules.

Coda Octopus software is used throughout the world and has always boasted an extensive and enthusiastic user base among geophysical professionals because of the wide range of tools provided. Experienced users will find the vital tools they are familiar with, presented in a much more user friendly way, as well as a host of essential new features.

We have recently introduced a new 3D Viewer for seismic interpretation and a powerful Workflow Management QC Tool to allow processing and interpretation statuses to be recorded and reported.

Inputs

Survey Data:	CodaOctopus (.cod); Extended Triton Format (.xtf); EdgeTech (.jsf); Sonar Equipment Services (.ses); Seismic data in SEG-Y and above formats (with Seismic+ option)
GIS Overlay Images:	Tagged Image File Format (.tif, .tiff); AutoCAD® DXF™ (.dxf); ESRI Shapefile format (.shp, .shx, .dbf)
Corrected Navigation:	CodaOctopus Corrected Navigation Format (.cnv)
GIS Objects:	Any file in any format can be imported as a GIS object (files will be launched in their default application)

Outputs

Data Output:	Processed Coda (.cod); Extended Triton Format (*.xtf); SEG-Y Seismic Data Format (*.sgy, *.seg)
Image Output:	Tagged Image File Format (.tif, .tiff); Fledermaus TDR Format (.SD)
Vector Output:	AutoCAD® DXF™ (.dxf); ESRI Shapefile format (.shp, .shx, .dbf)
Report Output:	Microsoft® Excel® Worksheet (.xls); ASCII text (.txt, .csv); Extensible markup (.xml); Webpage Format (.html)

CodaOctopus
Sound Underwater Intelligence

Features

GIS Overview
display and select the survey tracks and interpretations in the database

Integration with Sidescan+, Mosaic+ and Pipeline+
fuse seismic and sidescan data sets in the same project

Display of Cross-Line Intersections
to assist with comparison and QC

Enhanced Processing Functionality in the Frequency Domain
including histograms and a full site of varying filters

Integration with the Seabed Survey Data Model (SSDM)
support for SSDM in interpreting features

Increased Depth Accuracy
using Multiple Sound Velocity Profiles based on feature type in the sub-seabed

Wide Range of Supported File Formats
import: Coda, JSF, XTF, and numerous SEGY variants
export: Coda, XTF, and SEGY

Multi-level Undo Manager
allowing interactive steps back and forward through performed actions

Powerful and Flexible Reporting Tool
allows fast generation of Excel®, ASCII, XML, HTML format reports

AutoCAD® DXF™ and ESRI Shapefile Export
batch export the interpretation and/or the survey tracks to DXF™ and ESRI Shapefile format

Corrected Navigation Input and Online Editor
import processed navigation data and modify nav with online editor

Generation of Fledermaus™ Files
from raw or processed data at the click of a button

Powerful processing functions
TVG, Time Varying Filters, Swell Filter, Heave compensation, Restore Seabed shape, Trace Mixing (Stacking), Envelope Filter

3D Display of Interpreted Features
view lines and interpretation in 3D and easily cross-reference horizons and check alignments

QC Management Features
set, display and report on the workflow and QC status for each line and interpretation

Unlimited* Data Import
manage huge data sets

System Requirements

	Minimum	Recommended
Processor	Quad Core -2.0 GHz or faster. 64 bit supported	Quad Core - 2.0 GHz or faster. 64 bit supported
Memory	8 GB	16 GB or more
Hard Disk	2 GB disk free	5 GB disk free
Display	Single Display 1920x1080	Dual Display 1920x1080
OS	Windows 10. 64 bit supported	Windows 10. 64 bit supported
USB Port	1x USB port for security key	1x USB port for security key
Graphics Card	NVIDIA GTX1050 Ti	NVIDIA GTX1050 Ti

Sales Worldwide: +44 131 553 1380   Sales Americas: +1 407 735 2400
More Information: sales@codaoctopus.com   salesamericas@codaoctopus.com   www.codaoctopus.com
Technical Support Worldwide: +44 131 553 7003   Technical Support Americas: +1 888 340 2632