CodaOctopus
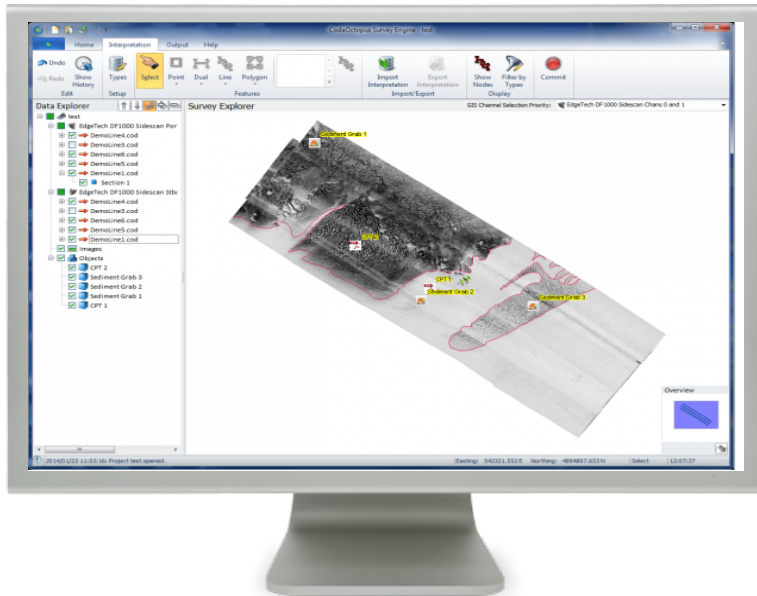Sound Underwater Intelligence

/Survey Engine®
Mosaic+

Benefits

High-resolution, high-quality professional mosaics

Increased productivity, reduced cost

Advanced processing and interpretation

Designed for huge data sets

From data file to GIS/CAD

Full integration with Seismic+

Powerful, yet easy to use

Expert 24x7 Technical Support

Professional Sidescan Sonar Mosaics

Survey Engine Mosaic+ is the most productive, integrated sidescan mosaicing solution for the marine survey industry. Built with 20 years of experience of producing leading geophysical survey solutions, Mosaic+ incorporates an extremely powerful data rendering engine that can cope with huge data sets at full resolution.

Coupled with an extremely intuitive user interface and full integration with the existing Survey Engine applications (Seismic+ and Sidescan+), Mosaic+ allows the user to produce the highest quality mosaics and feature interpretation in the shortest of timescales.

Including support for the Seabed Survey Data Model (SSDM) and extremely flexible attributing, Mosaic+ takes the user from raw data file to fully interpreted GIS or CAD deliverables in a seamless, integrated environment.

As with all our products, Mosaic+ is backed up by 24/7 Technical Support and software maintenance program ensuring that assistance is at hand whenever and wherever you require it.

Available as an upgrade to the existing GeoSurvey Mosaic or Survey Enigne Sidescan+, Mosaic+ is the next generation, advanced professional tool that every geophysicist should have at their disposal.

Inputs

Survey Data:	CodaOctopus (.cod); Extended Triton Format (.xtf); EdgeTech (.jsf); Sonar Equipment Services (.ses); EdgeTech (.jsf)
GIS Overlay Images:	Tagged Image File Format (.tif, .tiff); AutoCAD® DXF™ (.dxf); ECW Format (.ecw)
Corrected Navigation:	CodaOctopus Corrected Navigation Format (.cnv)
GIS Objects:	Any file in any format can be imported and launched in their own viewer

Outputs

Image Output	Tagged Image File Format (.tif)
GIS Output	ESRI Shape File (.shp, .shx, .dbf) SSDM geodatabase
CAD Output:	AutoCAD® DXF™ (.dxf)
Report Output	Microsoft® Excel® Worksheet (.xls); ASCII text (.txt, .csv); Extensible markup (.xml); Webpage Format (.html)
Data File Output	CodaOctopus (.cod); Extended Triton Format (.xtf)

CodaOctopus
Sound Underwater Intelligence

Features

No data subsampling compromises
view your data at the full acquisition resolution and beyond for enhanced feature interpretation

Supports very large projects
import many thousands of line kilometres into a single project

Interpret in mosaic or sidescan window
perform your interpretation in either window and see your results in both

Large array of processing functions
gain nominalisation; time varying gain (TVG); time varying filtering (TVF); across track smoothing; envelope filter; along track trace mixing

Mosaic survey line transparency
full support for full and partial survey line transparency within the mosaic to produce superior quality mosaics

Powerful navigation editing
full navigation editing and smoothing capability

Large choice of output formats
extremely high resolution mosaic images can be exported in GEOTIFF format and interpretation exported in GIS, CAD, Excel, or ASCII

Support for Seabed Survey Datal Model (SSDM)
from data file through to GIS in a seamless transition

Efficient and intuitive seabed tracking feature
seabed is tracked effortlessly with powerful seabed tracker

Feature reconciliation toolkit
powerful, yet easy to use feature reconciliation toolkit

Export processed sonar data files
to a wide variety of formats

Fast preview of files
ability to quickly review sonar data before import into project

Modern user interface with multi-level undo manager
be more productive with an intuitive easy-to-use user interface complete with comprehensive on-line help and video tutorials

'Objects' feature to assist with interpretation
import geotechnical and other contextual data to aid interpretation

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