



**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 24/7 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 Engine, 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)
GIS Layers:	Tagged Image File Format (.tif, .tiff) ECW Format (.ecw) AutoCAD® DXF™ (.dxf)
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	Geo-referenced Tagged Image File – GEOTIFF (.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)



## 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

### Fully integrated with Seismic+ and Sidescan+

fuse seismic and sidescan data sets in the same 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 normalisation; 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 Data 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	Pentium® III - 1.0GHz	Quad Core – 2.0 GHz or faster. Both 32 bit and 64 bit supported
Memory	1GB	6GB or more
Hard Disk	2 GB disk free	Dual SSD: 1 OS; 1 Data - 200 GB free
DVD drive	Single layer DVD-R	Single layer DVD-R
Display	Single Display 1024x768	Dual Display 1280x1024
OS	Windows® XP SP2 or higher	Windows® 7 Pro SP1 or Windows® 8 Pro. Both 32 bit and 64 bit supported
USB Port	1x USB port for security key	1x USB port for security key

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