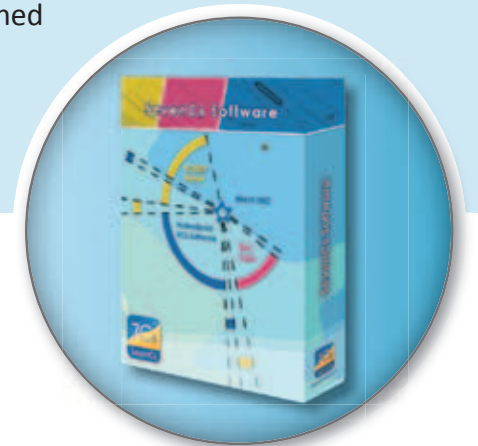




ENC Contour Generator

PRODUCT DESCRIPTION

Based on SevenCs extensive experience in the field of ENC production, ENC Contour Generator is a software tool for automatically generating depth contours at defined intervals from xyz data. The resulting contours can be exported to either S-57 or SENC where they are stored as S-57 depth contours with the proper product attribution.



PRODUCT HIGHLIGHTS

⇒ Easy to install, configure, and use

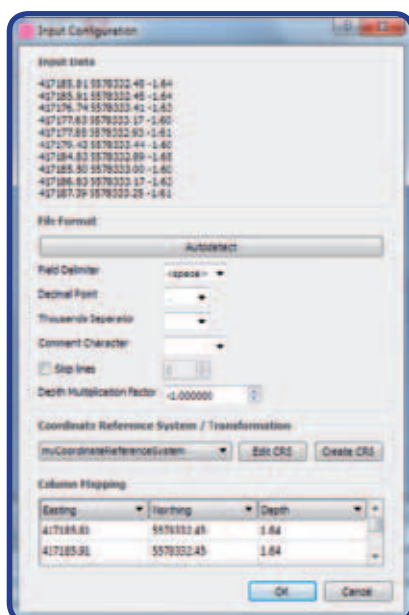
⇒ Supports “safe side” contour smoothing and contour generalization

⇒ 3D visualization of source data and contouring results

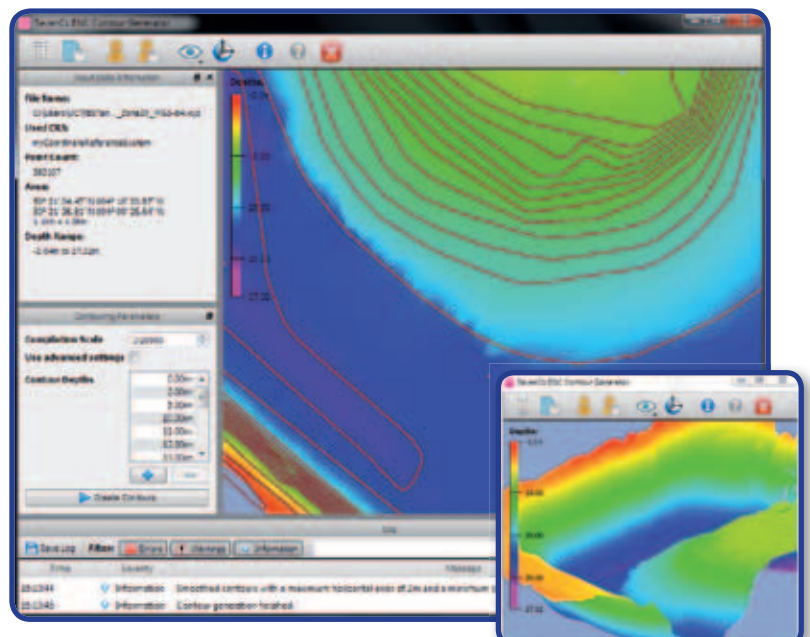
⇒ Includes a comprehensive Coordinate Reference System (CRS) Manager

⇒ Contouring algorithm considers the scale of the final chart product

⇒ Uses profiles to save and re-use user settings and contouring parameters



Input Parameters Dialogue



Graphical User Interface of ENC Contour Generator

ENC Contour Generator

FUNCTIONAL OVERVIEW

Input Data

The ENC Contour Generator reads standard column separated xyz input data with:

- Preview of raw input data
- Automatic recognition of column separators
- Support for a variety of different column separators
- Options to define a comment character and the number of lines to skip
- Overview of input data statistics

Data Visualization

ENC Contour Generator displays the input data and the resulting contours in a 3D display, including:

- Display of points, lines, and coordinate axis
- Interactive zooming, panning, and rotation
- Vertical exaggeration of displayed data (as required)

Coordinate Reference System

The ENC Contour Generator comes with a comprehensive CRS and Transformation Manager that:

- Integrates hundreds of pre-defined CRS definitions
- Supports full custom CRS definition
- Provides different datum transformation methods
- Plus import and export of CRS definitions

Contouring Procedure

The user has to specify only a few parameters to achieve the best contouring results:

- Main Parameters: Compilation Scale, Contour Levels, Depth Units
- Advanced parameter settings to further optimize the contouring results
- Management of contouring parameters in user profiles
- Option to save contouring results into a destination data set in S-57 and/or SENC format
- Command line mode for batch processing

Log Window

All user actions, warnings, and errors are displayed in a dedicated log window:

- Display of log messages according to severity level (errors, warnings, and information)
- Log scroll and search functionality
- Option to save log information to a file
- "Select-Copy and Paste" function

Supported Formats and Products

- Read: ASCII column separated xyz data (*.csv, *.dat, *.txt, etc.)
- Write: S-57 3.1, SevenCs directENC

SYSTEM RECOMMENDATIONS:

Microsoft Windows XP / Windows 7
2 GB or more RAM 2 GHz or more CPU

Video Card: Open GL compliant, DirectX 9 level

YOUR ENC CONTOUR GENERATOR DEALER



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