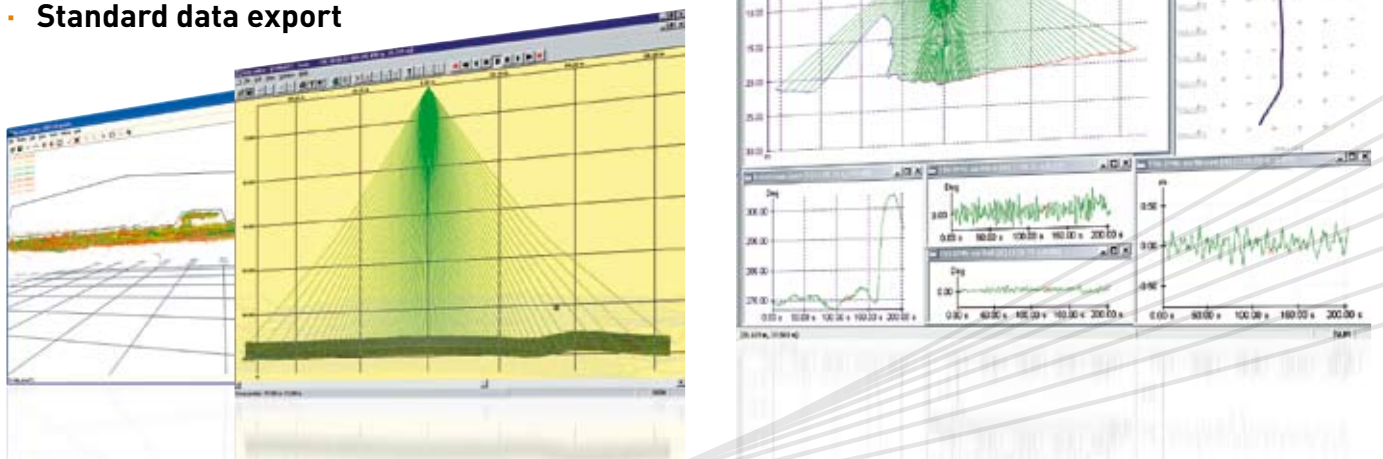


SOFTWARE FOR EDITING OF ALL YOUR MARINE SURVEY DATA AND SETTINGS – PAR EXCELLENCE

- Data management in SQL Server database
- Generic data import of survey data, tide, CTD, SVP, etc.
- Standard importers for sonar and acquisition systems
- Full graphical sensor data editing
- QC reporting
- Special pipeline inspection toolkit
- Special 2D seismic toolkit
- Standard data export

NaviEdit provides editing of overall survey settings as well as all raw sensor data related to marine survey and offshore engineering operations.



EDITING

The main task of the NaviEdit software package is to compensate for man-made or system errors deriving from survey set-up and prepare all sensor data for final processing. NaviEdit is designed specifically for editing marine survey data from singlebeam and multibeam echosounders, scanning sonars, pipe/cable-trackers as well as all survey related secondary sensors like GPS, Gyro, Doppler Log, attitude sensor, etc.

A JobPlanner manages import, interpretation and export of survey data. It also allows all editing routines to be applied to one or more blocks of survey data. The JobPlanner further ties data together in an SQL database thereby offering standard database management capabilities.

The raw survey data is imported and interpreted to a proprietary format from a/o multibeam files, single-beam files, ASCII files, tide files, sound velocity files, CTD profiles, run-lines, XYZ files and multibeam manufacturers proprietary format. NaviEdit provides facilities for managing the SQL database allowing several NaviEdit users to access the same SQL database simultaneously. The use of a relational database allows retrieval of sensor data independent of sensor manufacturer and application software.

A Header data editor allows change of overall survey parameters to correct erroneous data during import and interpretation. Moreover it allows updating of calibration values, appliance of time delay, C-O and sensor offset as well as appliance of datum and geodesy shift using pre- or user-defined parameters.

A Survey data editor provides graphical tools for editing all available survey sensor data. Editing tools comprise among others automatic de-spiking, advanced Kalman and spline filters, user-defined tolerance windows and advanced zoom and region marking by use of tool bar and mouse. In addition NaviEdit offers data filtering and cleaning based on raw MBE QC, scan filtering and tolerance, TPE filters in 3D and min/max depth window.

The JobPlanner links with a graphical 3D editing tool which allows QC of multibeam echosounder data, clean data sets for obvious spikes through rotation, area definition and erase tools.

PIPELINE INSPECTION

NaviEdit offers an optional pipeline inspection toolkit featuring processing of survey data to generate data pertaining to pipeline inspection. A pipeline filter provides adjustment of track based on pipe-tracker data and data from previous survey. Automatic reporting facilities allow for extraction and export of 5-point files during pipeline inspection surveys. The pipeline inspection toolkit utilizes client/server link to external digital video and import of pipeline event. This data migration offers the best overall data validation and decision support. The pipeline inspection tool is also directly linked with the 3D pipe tool in NaviModel Digital Terrain Modeling software.

EXPORT

NaviEdit provides export of edited survey data for presentation using the EIVA NaviModel/NaviPlot software for modeling and fairsheet charting. Alternatively, NaviEdit features export formats for commercial off-the-shelf software.

NAVIEDIT LITE

NaviEdit Lite is an affordable entry-level software package for editing survey data pertaining to singlebeam echosounder surveys. An update to NaviEdit full version software can be made at any time.

