EIVA
MARINE SURVEY SOLUTIONS

Offline Software

Post-processing and charting

- Integrated data management
- Advanced editing including batch processing
- Spatial data cleaning
- Handling of redundant sensor data
- Instant replay capability
- Area and volume calculation
- Merging of post-processed data
- Advanced cable- and pipe inspection
- Video- and data eventing
- Chart production

Powerful and efficient post-processing
The EIVA post-processing modules form a complete software suite for quick and efficient editing and cleaning of survey data including overall survey parameters like man-made setup failures as well as editing and cleaning of acquired erroneous sensor data. Through utilization of a wide selecting of tools sensor data can be edited and cleaned graphically in both 2D and 3D manually, semi-automatic and fully automatic. No matter the level of editing or cleaning performed during the post-processing phase all raw sensor data are retained throughout the entire process.

3D visualization, chart layout and production
On the basis of the acquired and processed survey data a digital terrain model can be generated. It is possible to perform a free-flight through the model for inspection and analysis of survey details. Sophisticated analysis tools allows in-depth analysis of the model as well as model manipulation, e.g. through substitution of part of a model with a model from a previous survey. Based on comparison between a theoretical and an actual model an area and volume calculation can be performed. The software provides for chart layout and production of charts for final documentation.

Features

- **Efficient data editing**
- **Advanced cleaning algorithm**
- **Event processing**
- **Sophisticated inspection tool**
- **Free-flight 3D model viewer**
- **Single or server licensed**
- **Intuitive and user friendly**

About EIVA offline software

The EIVA offline software comprising of three packages: NaviEdit for survey data editing, NaviModel for digital terrain modeling and NaviPlot for chart production, jointly forms a complete and efficient software suite for efficient post-processing of marine survey data. The three individual software packages makes a seamless integrated post-processing solution eliminating any risk of data incompatibility resulting in the shortest, most efficient and fastest way from acquired survey sensor data to the final chart.

Applications

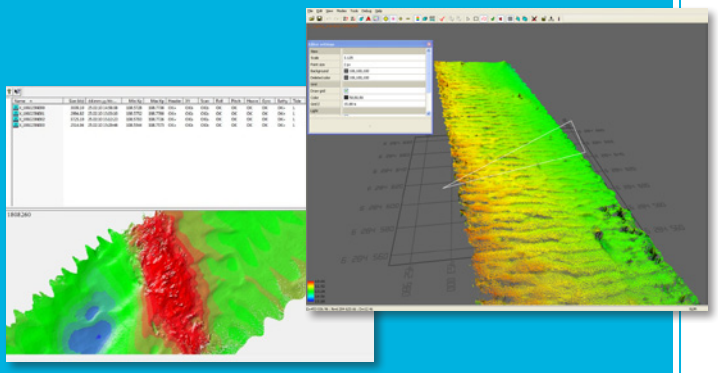
- **Subsea survey analysis**
- **Offshore pipe inspection**
- **Documentation of subsea installations**
- **Model analysis**
- **Area and volume calculation**
- **Chart production**

NaviEdit

Survey data editing

NaviEdit provides editing of geodetic settings and overall survey settings and as well as editing of raw sensor data related to marine survey and offshore engineering operations. NaviEdit features comprise among others:

- JobPlanner for data management
- Editing of overall survey parameters
- Graphical tools for editing of sensor data
- Automatic de-spiking, advanced spline filters, etc.
- Manual, semi-automatic of fully-automatic editing
- Batch processing

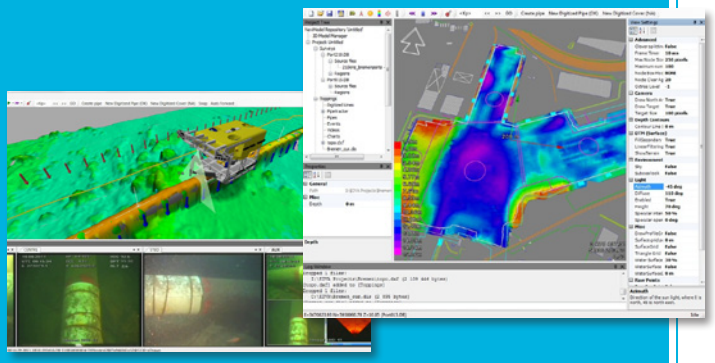


NaviModel

Digital terrain modeling

NaviModel provides for generation of Digital Terrain Models (DTM) in 2D and 3D and features sophisticated tools for model analysis and manipulations. NaviModel features comprise among others:

- Real-time terrain modelling
- Data cleaning of models in 3D view (S-CAN)
- Event editing
- Generation of derived models
- 3D views with free-flight feature
- Advanced model analysis incl. TVU
- CAD Integration
- Volume calculation

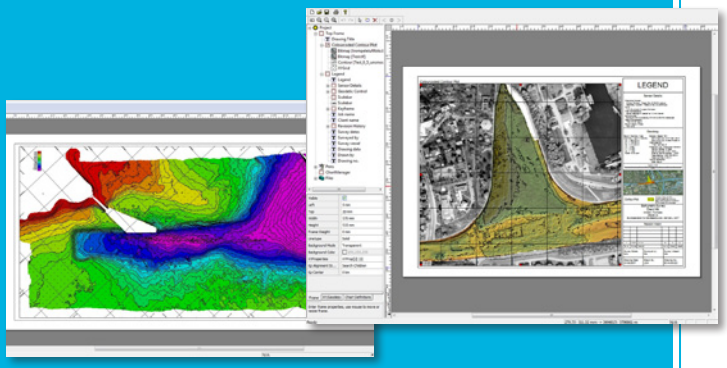


NaviPlot

Chart production

NaviPlot provides easy and professional layout of survey data on paper charts, increases speed of chart production including series production of alignment- based charts. NaviPlot features comprise among others:

- Easy layout by use of frames
- Frames organized in tree structure
- Inherited frame properties
- Default templates
- Library of standard chart elements
- Presentation of wide set of data types



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