EIVA

MARINE SURVEY SOLUTIONS

Software

Integrated Systems

Equipment

Services

EIVA Offices
EIVA Representatives

Your partner
... for any marine application

EIVA is an engineering company with roots in the off-shore industry. We have been in the market since 1978 and have a long history of delivering solutions to all marine segments. Today we provide advanced equipment, software and turn-key solutions to virtually any sub-sea task.

EIVA is privately owned by the board of directors, CEO, management group and employees.

Optimizing business
Our solutions are key parts in optimizing our customer's business. We know that our customers are operating high value assets such as ships and oil rigs, and that utilization of these assets is their top priority. We work closely with our customers to deliver solutions that optimize their specific business processes – and then we make these solutions generally available through our products.

Unique systems know-how
We have in-house expertise within all marine survey disciplines, state-of-the-art equipment, software and processes. We use this know-how to deliver tailored turn-key solutions to exactly the challenge faced by each customer.

Among the best at what we do
Our NaviSuite software suite is used by the most advanced operators. The versatility of our software means one software package for a multitude of tasks – and the quality of the software and associated solutions are among the very best available.

Our customers depend on us
We know our customers depend on our solutions and therefore we are proud to be available 24/7/365 whenever our customers need us.

Worldwide customer base
Our customers are world wide – and our solutions are available through a network of sales partners all over the globe.

Advanced solutions

... for any purpose

The world of marine survey and sub surface construction is not simple.

Over the years, we have gained expertise and experience within a wide number of marine survey segments – by delivering solutions and services to customers that are at the forefront of development in their individual segments.

We have a wide range of dedicated solutions that adresses the challenges in each segment.

OIL & GAS

- Positioning & Inspection
- Pre-/Post Surveys
- Geophysical Surveys
- Barge/Tug Management

OCEANOGRAPHY

- Current & Wave Measurements
- Data Monitoring
- Environmental Sampling
- Data Analysis

HYDROGRAPHY

- Data Acquisition
- Data Processing
- Data Analysis
- Charting

DEFENCE

- UXO Detection
- Mine Hunting (MCM)
- Hazard Route Survey

OFFSHORE WIND

- Pre-/Post Surveys
- Positioning & Inspection
- Cable Lay
- Scour Monitoring

CONSTRUCTION

- Positioning
- Pre-/Post Surveys
- Field Development
- Excavation/Reclamation

We provide a full suite of marine survey software that is among the very best in the market.

- **Scalability**, our software is used for the most challenging tasks with large networked installations, but it can also be configured for simple tasks utilizing one single computer by novice operators

- **Versatility**, with our package, you can handle all survey tasks with the same software solution – no matter how complex

- **Efficiency**, with our high performance software your processing time will reduce avoiding data conversions, repetition of processing and using intuitive data cleaning features

A complete software suite
... for any survey
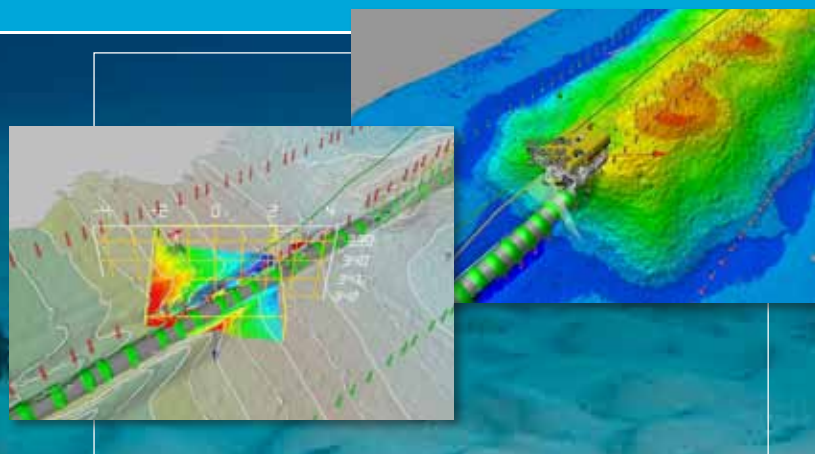
ONLINE
Navigation and data acquisition

Our online software package provides navigation and positioning information in support of marine projects, offshore engineering and subsea constructions.

NaviPac
Integrated Navigation

NaviPac provides real-time navigation and positioning information for ships as well as other surface and sub-surface objects.

- Real-time navigation using standard electronic navigational charts (ENC)
- Support of virtually any sensor as well as user defined sensor interface
- Precise time tagging of sensor data through use of EIVA ATTU
- Single PC or network installation with remote Helmsman Displays
- 2D/3D visualization of survey scenario
- Annotation of events
- Wide range of specific modules for catenary, cable/pipe lay, barge/tug management etc.

NaviScan
Data Acquisition

NaviScan is an add-on module to NaviPac providing acquisition and visualization of data from a wide variety of sonar systems.

- Support of multibeam echosounder, side scan sonar, pipe/cable tracker etc. from a wide range of manufacturers
- Integrated patch test calibration
- Real-time data recording
- "On-the-fly" visualization in 2D and 3D

OFFLINE
Post-processing, visualization and charting

Using our offline software package you have full data consistency and you have full overview of all changes applied to data throughout the entire processing session.

NaviEdit
Survey Data Editing

NaviEdit provides a comprehensive toolbox for editing of overall survey settings as well as raw sensor data acquired during survey.

- Processing of all acquired marine survey data
- Job planner for data management including import, export, batch processing
- Correction of survey parameters, e.g. geodetic settings
- Sensor data editor allowing manual, semi-automatic and fully automatic modifications

NaviModel
Digital Terrain Modeling

NaviModel is a high performance digital terrain modelling software with capability for 3D visualization of massive data sets.

- Automatic generation of terrain models
- Unlimited data model size
- Advanced noise filtering (EIVA S-CAN)
- Import of 3D CAD objects
- Sophisticated model analysis
- 3D views with free-flight feature

NaviPlot
Chart Production

NaviPlot provides easy and professional layout of survey data and increases speed of chart production.

- Layout of survey data
- AutoCAD import/export
- Export to S57 chart format
- Printing

Equipment
... for any task

Any type of marine survey equipment
We represent some of the world´s largest producers of equipment – whether it is GPS, Gyro, ADCP, USBL, Sonar, ROV, wave buoys or other equipment you may need.

Rent or buy
We offer a selection of products for short or long term rental – in case you don't need it often or want to get acquainted with the equipment before you buy.

EIVA products
We develop a series of products of our own – where we can see a need in the market for specialized applications.

Tailor-made equipment
We design and produce one-offs or small series of tailor-made equipment, such as specific electronics, mechanical fixtures, mountings or integration of off-the-shelf products into full systems.

EIVA ScanFish

ScanFish is a cost-effective ROTV platform for continuous collection of data in the water column. It can be operated in three different modes: undulation, fixed height and fixed depth mode. It is ideal for oceanographic research, sound velocity profiling, side scan sonar surveys, etc.

Equipment Sales

We offer marine survey equipment for any task.

EIVA ATTU

The Accurate Time Tagging Unit (ATTU) provides extremely precise (better than 50 micro seconds) time tagging of survey sensor data close to the data source. As a bonus it simplifies cable installation by passing time-stamped sensor data directly to onboard Ethernet.

Equipment Rental

Our pool of equipment is available for short or long term rentals.

Complete solutions
## ... not just equipment or software

We have successfully delivered a wide range of solutions in which we have combined off-the-shelf software and electronics with tailor-made software extensions and dedicated mountings - all integrated into a complete turn-key solution.

The examples below are some of the solutions we have made for customers.

BARGE/TUG

Anchor handling and positioning in multiple platform operations involving rigs, barges and tug boats through advanced integration of hardware and software
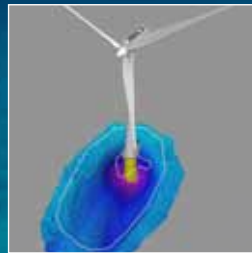
SCOUR MONITORING

Sonars mounted on foundations for 24/7 sea bed scour monitoring, visualization over time and volume calculations including transmission to shore based station
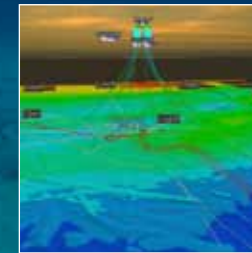

CATENARY SIMULATION

Real-time simulation of dynamic behavior of anchor chains, pipes, flow-lines and cables for precise handling and positioning

EXCAVATION & RECLAMATION

Real-time positioning, 2D/3D visualization of crane and bucket, precise area and volume calculation resulting in increased productivity

2D SEISMIC

Positioning software systems for 2D seismic surveys including time and distance based shot-control of air gun, editing of position data and export in appropriate formats
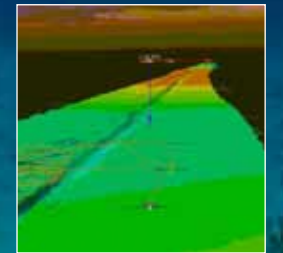

FOUNDATION POSITIONING

Integrated electronics and software installed on more than 50% of all jack-up installation ships for ultra precise positioning and high efficiency of operation
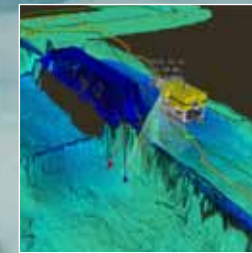

PIPELINE INSPECTION

Software integrating ROV video, survey terrain model and CAD drawings for optimal acquisition and visualization during pipeline inspection surveys as well as efficient analysis during data post-processing

Support

We are proud to provide customers with some of the most exten-
sive support possible.

Our 24/7 help desk is available for both software and hardware cus-
tomers.

We are active on social networks where our LinkedIn group "EIVA
User Group" is available to customers, operators, freelances and
others that uses EIVA software and equipment products.

On our website we provide an extensive amount of product infor-
mation, software downloads and our knowledge base providing an-
swers to all the challenges our customers have been facing.

Your partner
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Support 24/7

General support:
phone +45 86 28 20 11 (8-16 CET)
phone +45 20 48 77 37 (outside office hours)
e-mail support@eiva.dk
SW downloads: http://download.eiva.dk
EIVA knowledge base: http://kb.eiva.dk
Online training:
http://download.eiva.dk/online-training/index.htm

EIVA