

The logo for EIVA, featuring the letters in a bold, white, sans-serif font. The 'A' is stylized with a diagonal slash through it. The background is a dark blue gradient with a subtle grid pattern at the bottom left.

# EIVA

The tagline for EIVA, consisting of two lines of text. The first line is in white and the second line is in a light green color. The background is a dark blue gradient with a subtle grid pattern at the bottom left.

Trusted underwater.  
Proven worldwide.

# An ocean of data. A world of insight.

Beneath the surface lies complexity. Changing seabeds, challenging environments and rising operational demands mean survey and inspection teams must work with ever-greater precision, speed and confidence.

## At EIVA, we help make that possible.

EIVA's solutions bring together software, equipment, integrated systems, rental flexibility, maintenance and support, and training – enabling teams to plan their operations, acquire data with confidence, process information efficiently and present results with clarity.

From a single tool to a complete workflow, we help transform complex subsea tasks into streamlined, reliable operations.

Plan / Process / Present

- / Subsea workflow software
- / Integrated survey and inspection solutions
- / Modular, sensor-agnostic equipment
- / Flexible rental and scaling options
- / Operational support and maintenance
- / Training that builds competence

# Smarter systems. Stronger missions.

For almost half a century, we have supported subsea professionals across the energy, construction, ocean science and defence sectors.

Our mission is to deliver better subsea data and the tools to use it – enabling smarter, safer and more efficient operations.

EIVA is an international engineering company providing high-end solutions for subsea survey and inspection. Our portfolio is developed in-house by engineers, surveyors, technicians, and application engineers – experts who understand the realities of the subsea industry.

As part of the Covelya Group, we benefit from close collaboration with other leading companies in ocean technology. Together, we draw on shared expertise in navigation, positioning, optical, imaging, detection, sensing and towed platform solutions, combined with data acquisition and processing software.

For customers worldwide, this means access to robust tools, trusted support and a partner able to deliver stable, future-ready systems at any scale.





## Cable, pipe & asset inspections

Market-leading 3D software for subsea inspections of any type

## Cable route planning

Software for advanced cable route planning and cable lay simulations



## ROV autonomy & manual steering

Software that enables efficient piloting and assisted control

## Jack-up operations

Combining software with precise positioning sensors for demanding construction tasks



## Hydrographic surveys

Automation-enhanced software tools for USV and vessel operations

## Tow, mooring & riser handling

Market-leading software for rig move positioning and anchor/riser simulation



## AUV onboard acquisition, processing & perception

Innovative solutions to enhance and expand AUV capabilities

## Oceanography & environmental studies

Flexible sensor platforms for varied data needs



## UXO surveys

Proven technology for safe, cost-effective UXO surveys

## Virtual buoys

Ensure safe waterway navigation with virtual marker buoys



## Archaeology

Data clarity that reveals hidden structures and heritage sites

## Data buoys

Designed for high-end monitoring, built for long-term operational independence



# Offshore autonomy. Of course you can.

As demands for high-quality subsea data grow, automation and autonomy are becoming essential for delivering consistent, reliable results.

At the same time, these solutions must be practical and field proven. EIVA's approach builds on decades of survey and inspection experience, ensuring autonomy always supports real operational needs.

## The backbone of EIVA's approach to autonomy ... unified across software, sensors & systems

From experience, we know success comes from getting the synergy between automation and autonomy right – achieving reliable, repeatable results by adding intelligence where it delivers value. This is the foundation of our supervised autonomy approach.

Our initial focus is on ROV autonomy, where supervised behaviours and mission guidance deliver clear gains in efficiency and data quality. This work draws on our long experience with intelligent ROTV systems and AUV integrations, and the same principles extend naturally to a wide range of subsea tasks and platforms.

Our autonomy framework is built on an open architecture, enabling system integration through the EIVA API. This allows operators and integrators to combine EIVA autonomy with the platforms, sensors and control systems that best fit their overall solution, rather than locking them into a predefined setup.

Mission planning and execution are coordinated through EIVA software, which guides every stage – from survey design to in mission decision support. This approach is reflected in autonomy-ready solutions such as the ViperFish sensor platform, designed to integrate naturally into USV and other uncrewed operations.

Instead of prescribing a single, fixed configuration, we provide modular capabilities that can adapt and expand as operational needs evolve, ensuring customers can build exactly the level of autonomy required.

NaviSuite

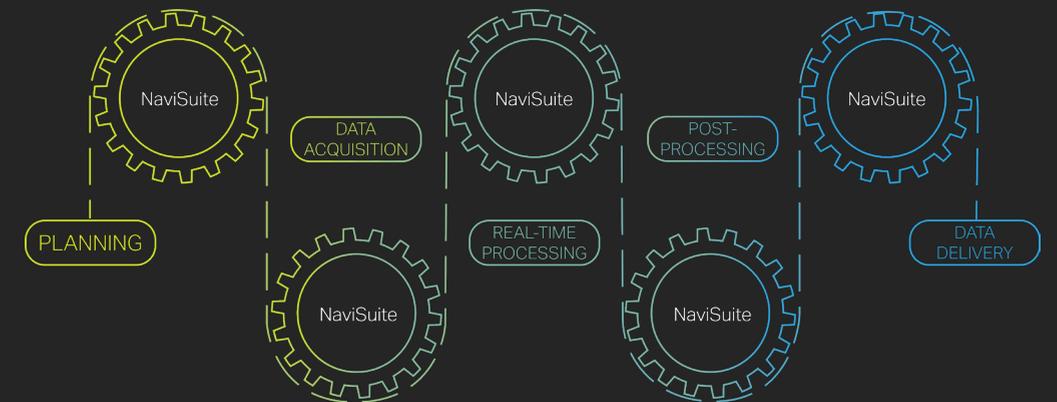
One platform.  
Your workflow.

## Advanced software solutions ... for a wide variety of subsea tasks

NaviSuite is our unified software ecosystem for seabed mapping, subsea survey, inspection and construction. Each module builds on a shared core, offering specialised tools for hydrography, navigation, modelling and reporting.

An open architecture, supported by the EIVA API, enables customers to integrate their own systems or build additional capabilities into NaviSuite, tailoring the workflow precisely to their needs.

Behind the scenes, our software team continuously evolves and expands the suite, ensuring customers benefit from new capabilities, updated interfaces, and emerging technologies.





# NaviSuite Nardoa

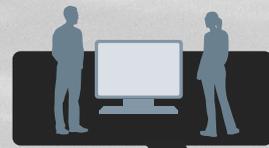


## Advanced pipeline & cable route inspection ... with multiple automation tools

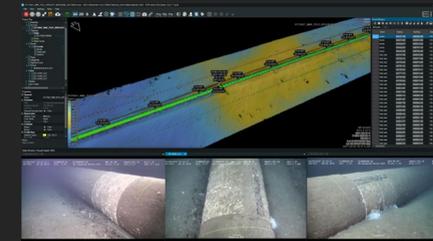
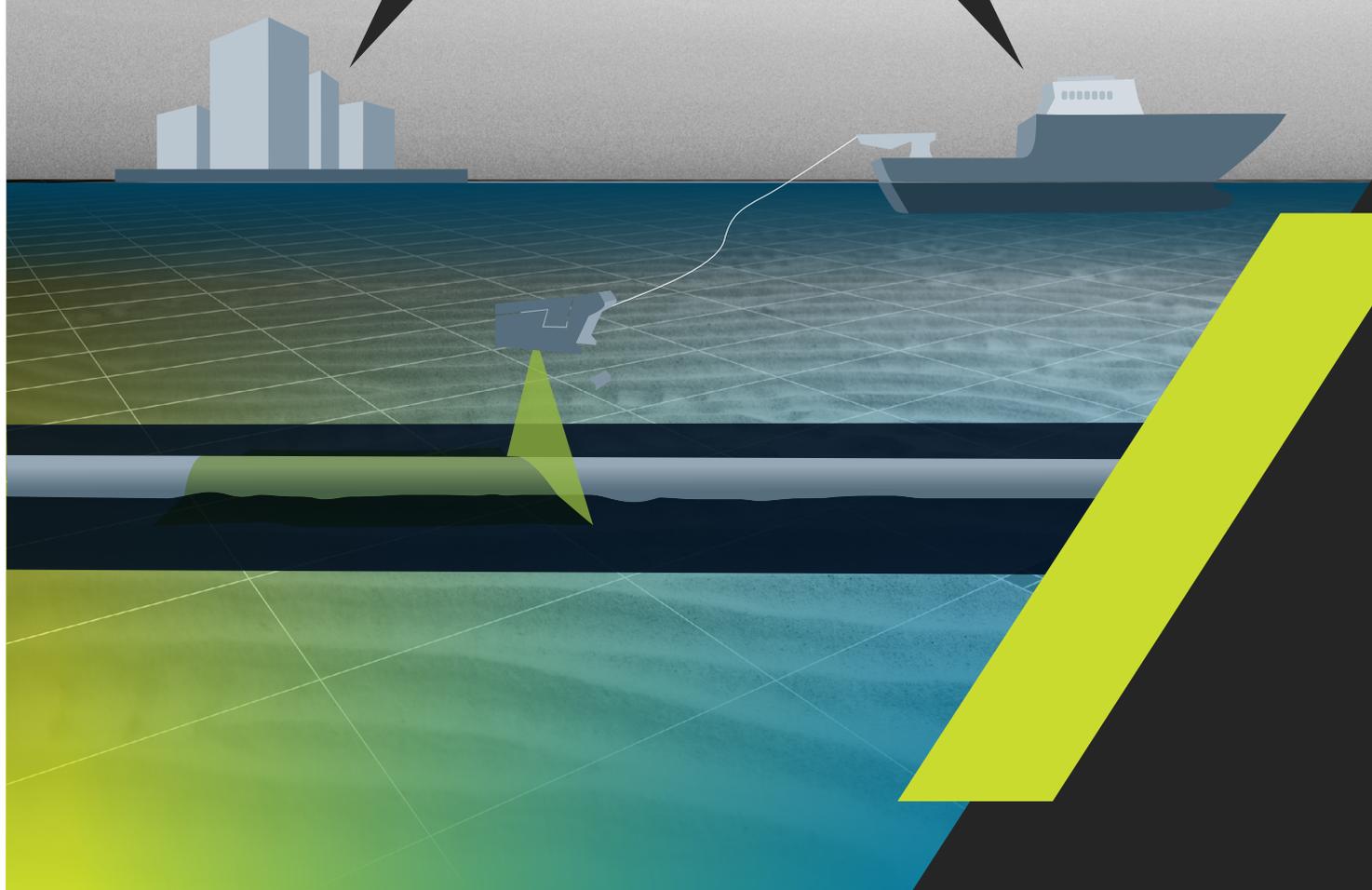
Offline surveyors  
(On shore)



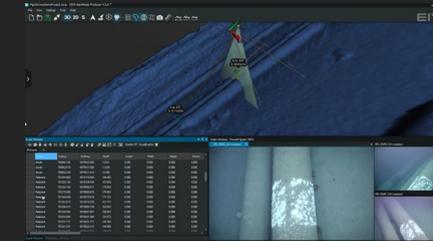
Optional number and location of surveyors working with the data



Online surveyors  
(On board)



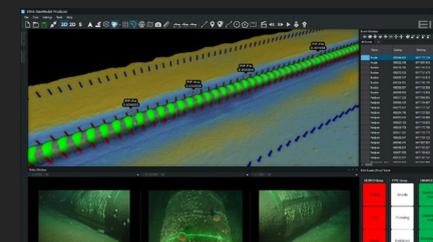
Data fusion allowing for combination of sonar, laser scanner, INS and camera data



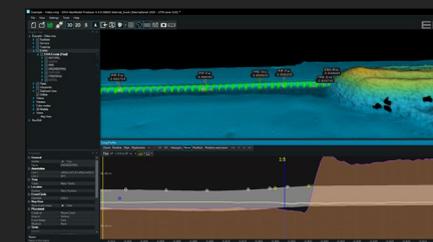
NaviSuite Nardoa eventing tool – API lets you register events within NaviSuite utilising your own AI models



Find Object tool for automatic eventing of objects on the seafloor such as rocks, boulders and mines



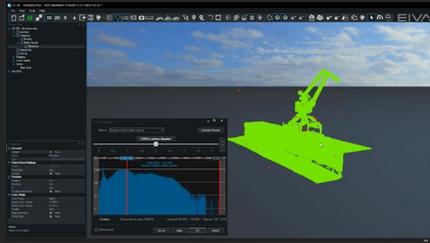
Eventing tool for configurable event registration and synchronised views



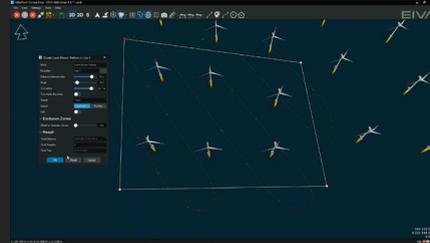
Eventing and pipe status quality control (freSPAN, depth of burial, etc) in 3D, 2D, tables or alignment sheets



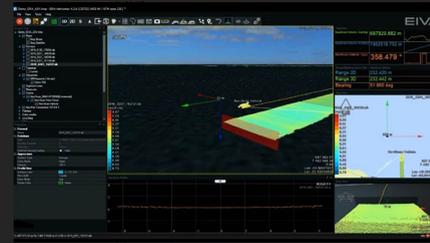
Workflow Manager allowing for automatic data processing



EC-3D cleaning tool supporting several cleaning methods for 2D and 3D data



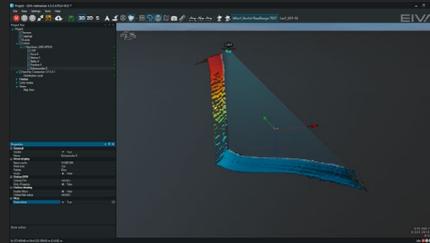
Advanced runline and navigation features, including automatically generated runline based on actual coverage of the sonar



Autopilot integration for operating USVs or steering manned vessels



Real-time automatic adaptive runline generation based on the previous surveyed line



Data down-sampling allowing for real-time display at remote command centre with standard internet connection

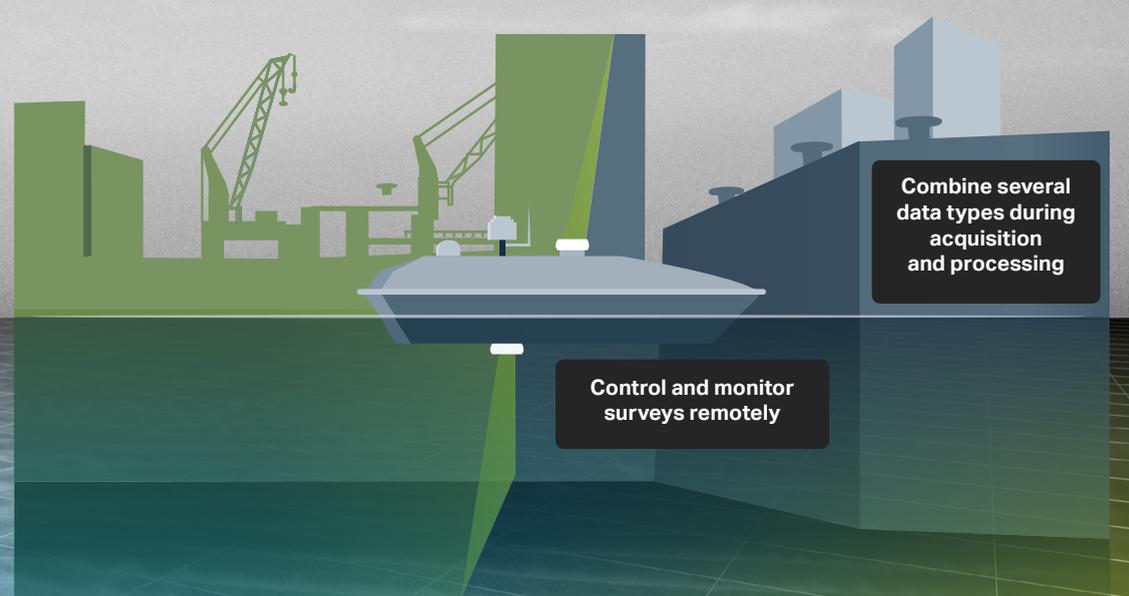


Real-time quality control displays streamed to remote operations centres

# NaviSuite Kuda



Deep feature list for hydrographic surveys...  
... with variants for USV / single vessel setups as well as complex and extensive survey operations



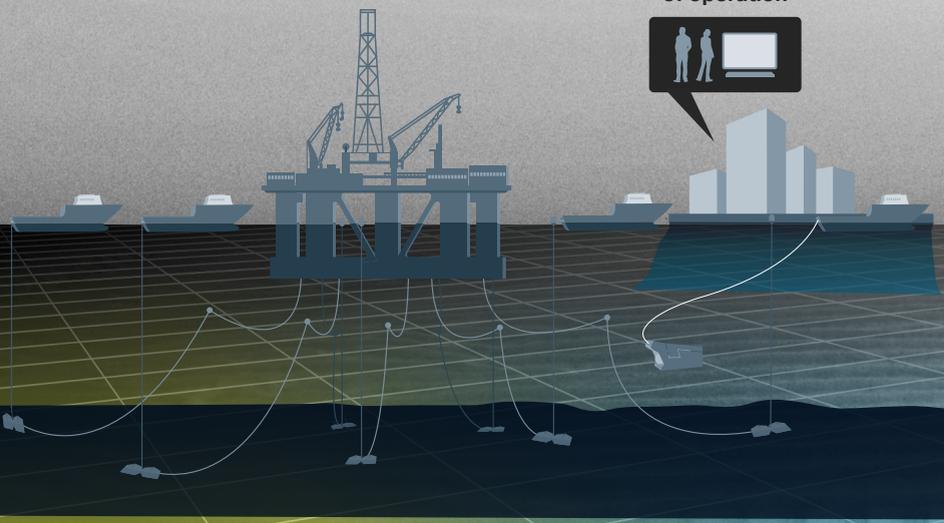
Control and monitor surveys remotely

Combine several data types during acquisition and processing



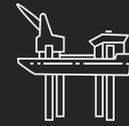
## NaviSuite Beka

Real-time 3D view of operation



## Efficient anchor handling operations

... with advanced catenary simulation



Anchor handling software widely used by companies throughout the world

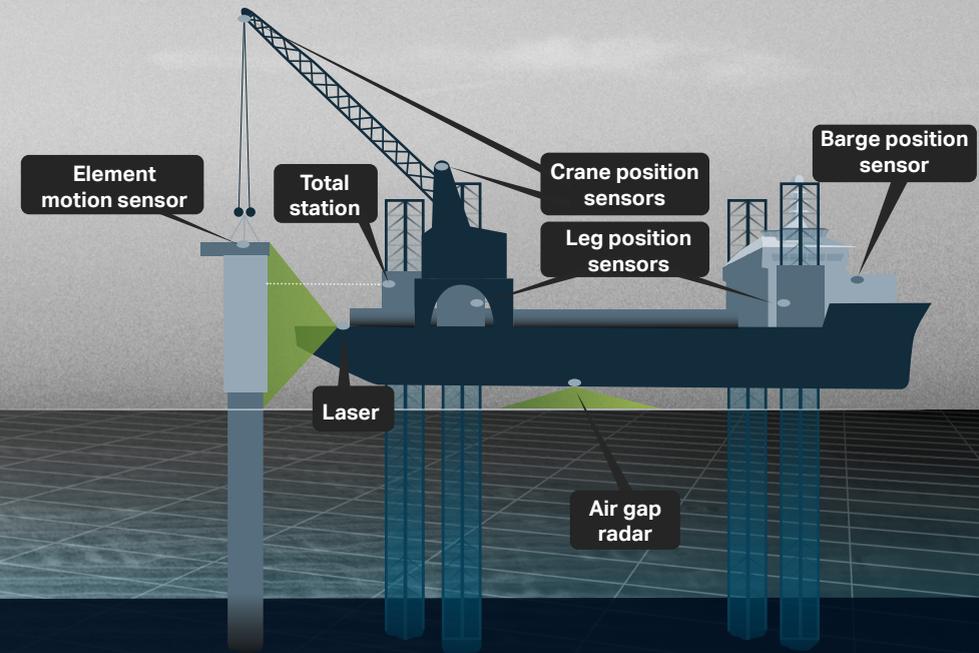
- Live barge and tug positions
- Planning of anchor patterns
- Live simulation of anchor position / catenary
- Communication between barge and tugs
- Tug control from barge
- Remote monitoring and control from shore

NaviSuite has been involved in the setup of most offshore wind farms worldwide and is installed on most of the large jack-up vessels in operation

- Vessel positioning and jack-up monitoring
- Crane and element positioning
- Measurement of verticality, height, etc
- Integration of video, sonar, LiDAR and other sensors

## High-precision construction operations

... available with all relevant sensors



## NaviSuite Pelta





## NaviSuite Cloud

... view and download projects – access from a web browser or any device

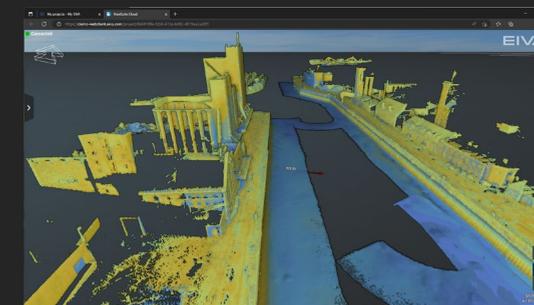
## Information sharing made easy ... with a cloud-based NaviSuite thin-client

NaviSuite Cloud Viewer, the initial release of EIVA's cloud-based thin-client, lets you easily view and share NaviSuite projects in a web browser. These features will be expanded on in future variants.

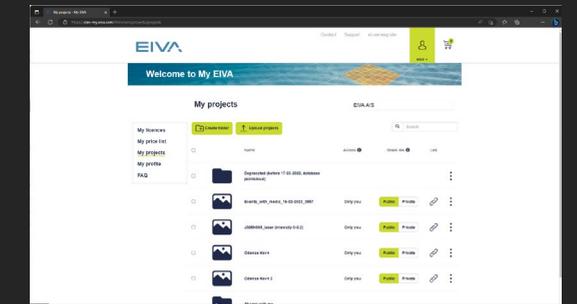
NaviSuite Cloud is available as an add-on for existing NaviSuite software users, for example helping when you need to share data sets with colleagues or customers, or if your end clients want to avoid installing third-party software to view and navigate data.



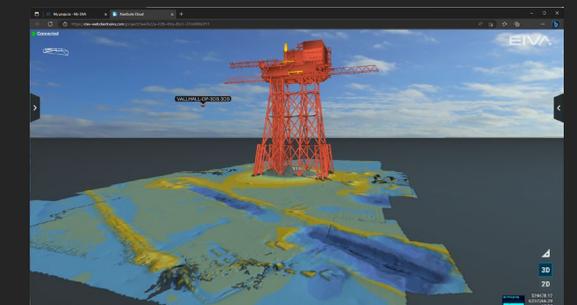
Register observations with NaviSuite's eventing functionality. View events marked in the 3D scene and see annotations, image, and nearest point in video playback.



High performance rendering of 3D models – as powerful as in NaviSuite desktop software solutions



Manage projects and share them in public or private URLs – in the My EIVA web portal

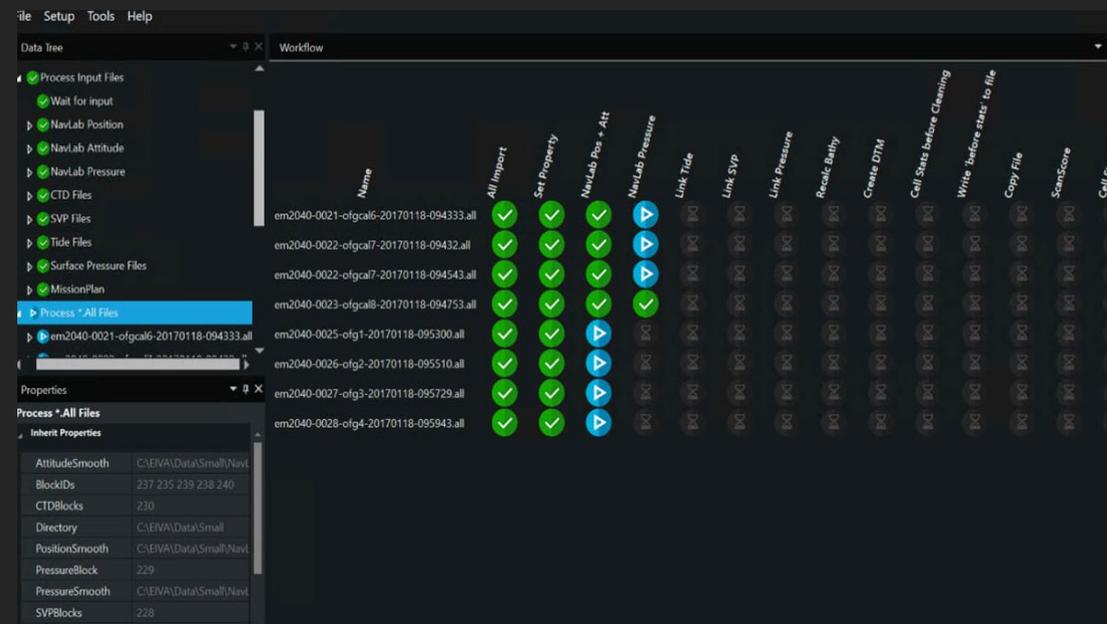


Simple and fast survey information sharing – no need for special software installed



## Workflow Manager ... automation and consistency across every data workflow

Workflow Manager enables automatic data processing across large volumes of subsea data, streamlining complex workflows and reducing manual effort. Users can chain tasks, run processes in parallel and ensure consistent, high-quality outputs.



## ATTU Accurate time tagging ... for improved survey results

ATTU ensures a time-tagging accuracy that is better than 50  $\mu$ Sec.

Knowing the when and where of your sensor data is an essential element when you want optimum accuracy and high-quality data of your survey operations.

This rack-mounted unit enables plug'n'play installation into existing solutions and strengthens any mission where timing matters.

The ATTU can be applied in any survey set-up that includes EIVA's navigation and data acquisition software solutions.





## Integrated systems

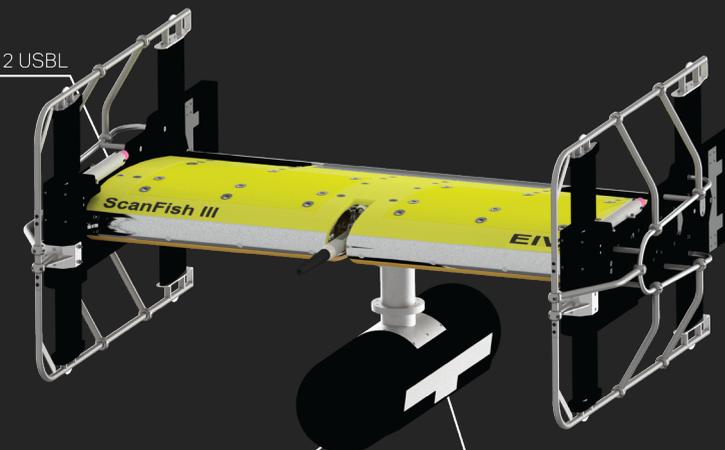
### Your system solution partner

EIVA unifies software, equipment, services and integration expertise across the full workflow – from planning to final deliverables.

Our solutions are flexible and sensor-agnostic, helping you turn operational complexity into value-creating outcomes. Whether you need the full scope or only selected elements, our integration-driven approach adapts to the platforms and sensors you already use, with modular capabilities that grow as your needs evolve.

Integrate our software and equipment solutions with the sensors you need. For example, we have developed total solutions integrating these sensors...

Sonardyne Mini-Ranger 2 USBL



Sonardyne SPRINT INS

Wavefront Solstice multi-aperture sidescan sonar

.... and augment your ROV, AUV and USV operations – for example, the ViperFish ROTV and NaviSuite Kuda can be leveraged by a USV

Sonardyne WSM 6+USBL

OFG RM Hypermags

Wavefront Solstice multi-aperture sidescan sonar

R2Sonic 2020 MBES

Sonardyne SPRINT-Nav Mini INS

Valeport SVS





ScanFish

## Affordable & flexible ROTV range ... with the possibility of tailored solutions

### ScanFish Katria

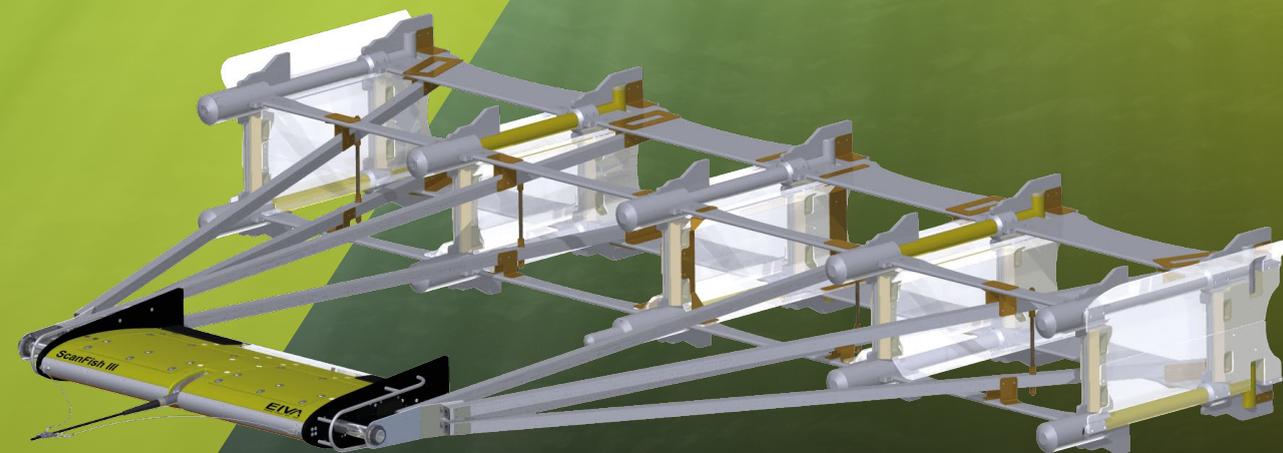
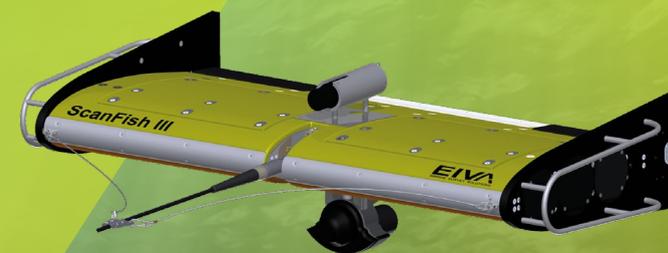
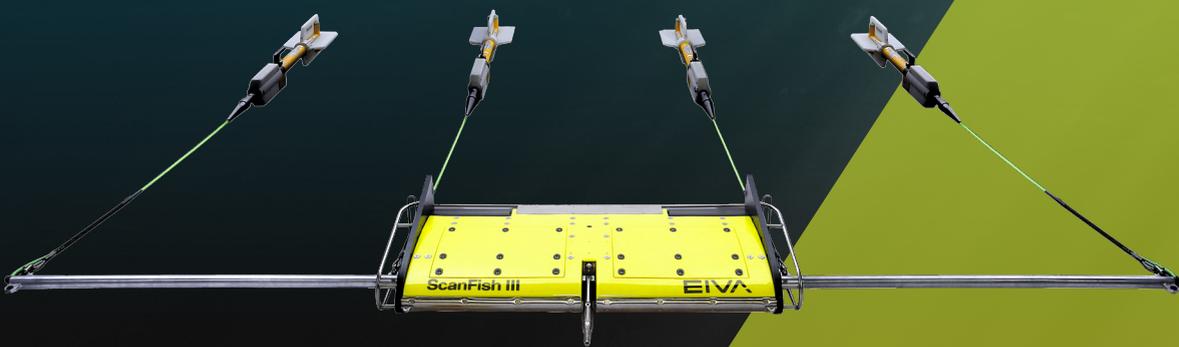
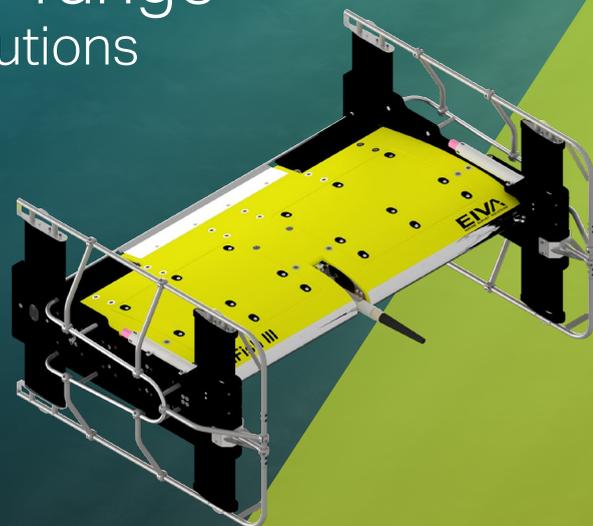
Intelligent wide-sweep ROTV for magnetometer surveys

### ScanFish Rocio

Multi-purpose ROTV for oceanographic surveys

### ScanFish L & XL

Larger ROTVs allowing for payload of up to 400 kg



The ScanFish sensor platforms offer a wide range of multi-purpose towed vehicles. From the wide-sweep ScanFish Katria to the versatile ScanFish Rocio and the larger L/XL models, each unit delivers stable flight, flexible payloads and reliable performance.

EIVA can customise ScanFish configurations to match specific sensor packages or operation requirements.

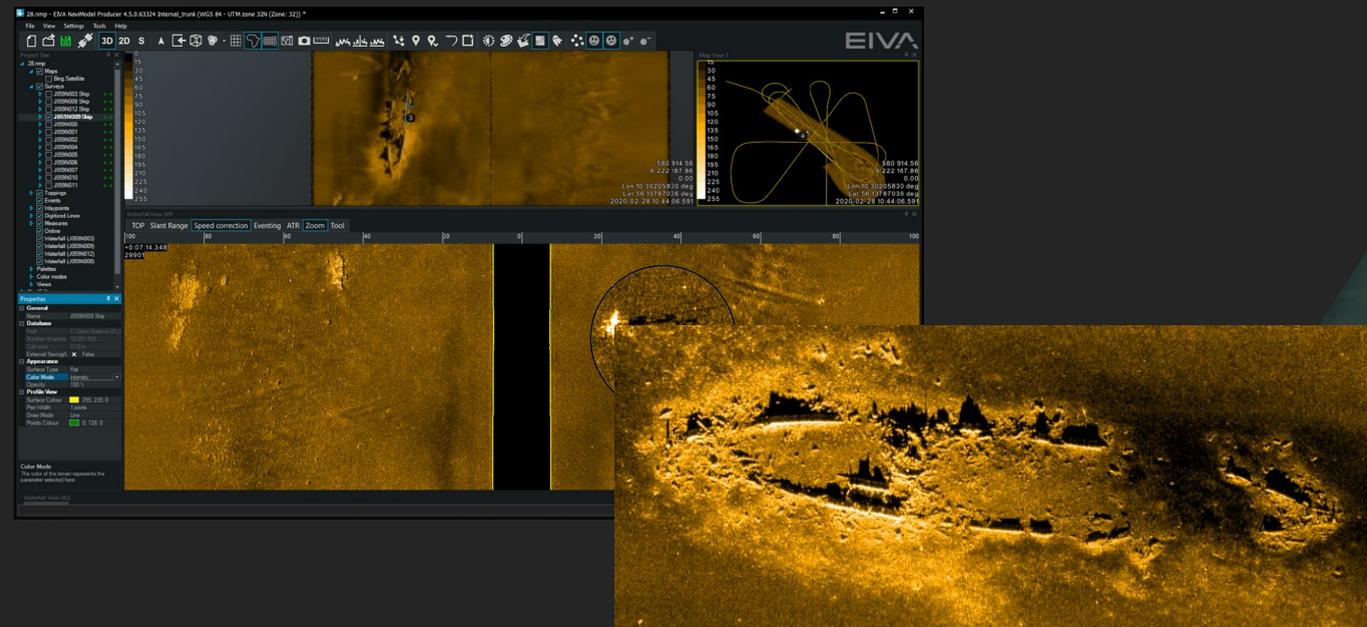
# Intelligent, towed multi-aperture sidescan sonar solution

**Delivers significantly improved area coverage rates** for UXO surveys, mine-countermeasure operations and hydrographic tasks, including site surveys ahead of renewable energy installations.

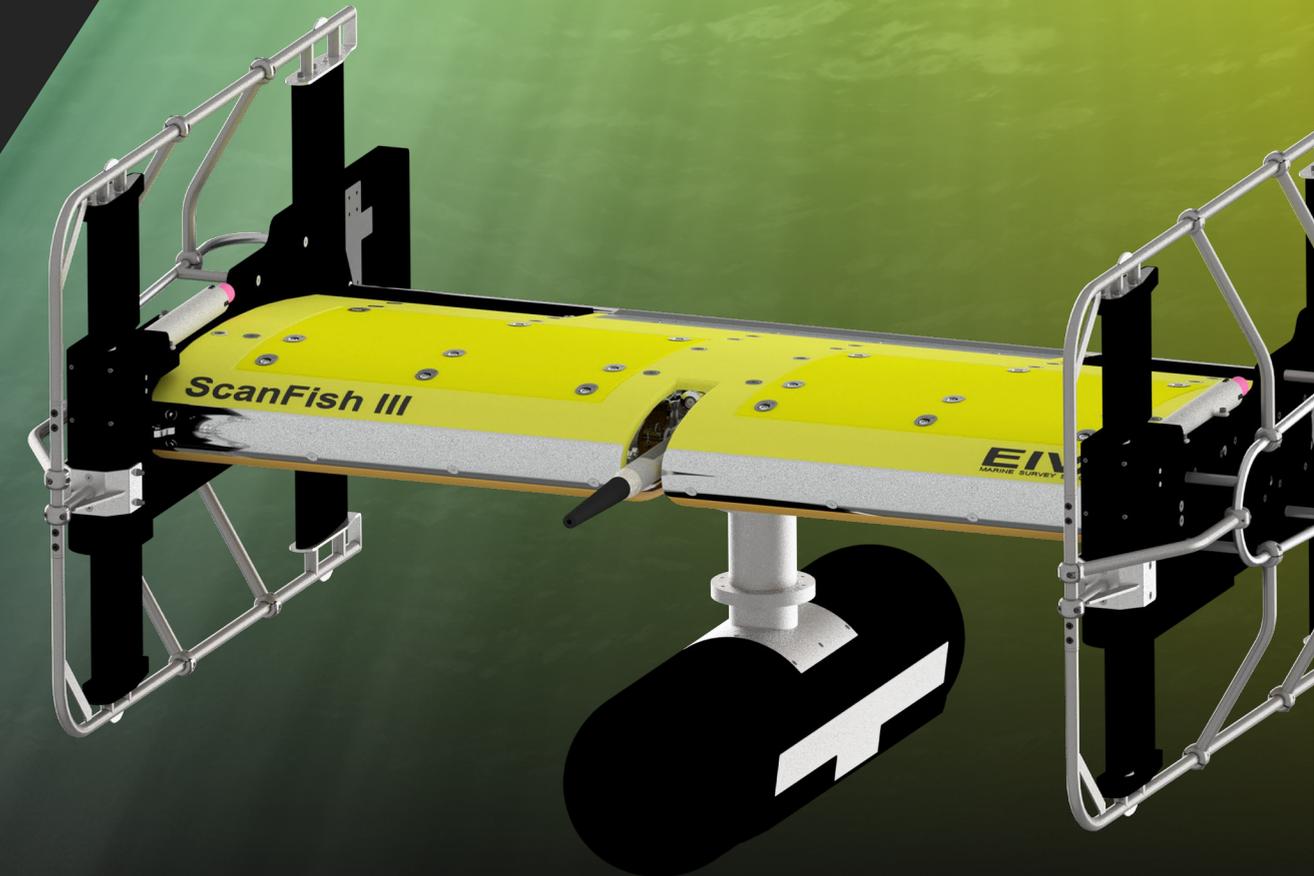
**Offers exceptional stability, precise positioning and real-time results**, ensuring consistently high-quality data even in challenging conditions.

**Powered by the Solstice multi-aperture sidescan sonar**, providing the highest quality imagery available from a towed sidescan system.

**Integrated with NaviSuite software**, enabling AI-based detection and classification of seafloor objects across the full swath.

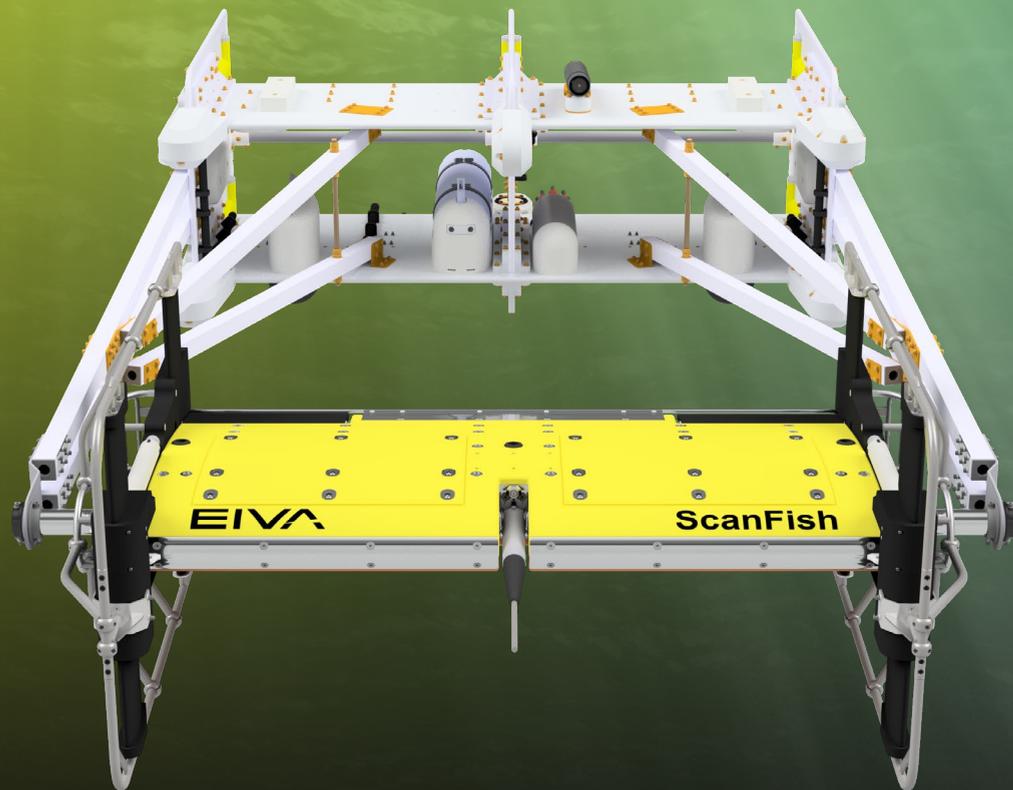


ScanFish Equinox



Smarter imaging. Stronger decisions.

## ScanFish Katria with Sub-bottom Imaging Frame



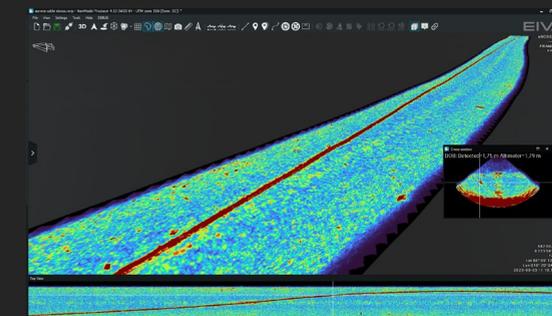
Deeper imaging. Clearer seabed intelligence.

## Stable, multi-sensor towed platform for sub-bottom and seabed imaging

Delivers wide-swath 3D sub-bottom imaging for detecting buried objects, supporting imaging sonars such as the EdgeTech eBOSS (3–10 m penetration, 5 cm voxel resolution) as well as other compatible systems, all mounted on a robust frame based on EIVA's proven magnetometer platform design. Provides exceptional stability with low roll and pitch behaviour, ensuring clean, repeatable data and protecting onboard equipment in demanding survey environments.

Supports a comprehensive, sensor-agnostic suite – including imaging sonars, magnetometers (OFG HyperMag, Geometrics G 882/MagElement, Marine Magnetics Synapse) and high-end INS/USBL navigation via Sonardyne SPRINT-Nav U and WSM6+ – enabling multi-layer geological and geophysical characterisation in a single pass.

Integrated with NaviSuite for efficient processing and interpretation, it enables streamlined review of sub bottom and magnetic datasets, with intuitive 3D navigation, correlation tools for rapid UXO and target assessment, and clear visual displays showing features such as the cable path at a consistent depth (pictured below).

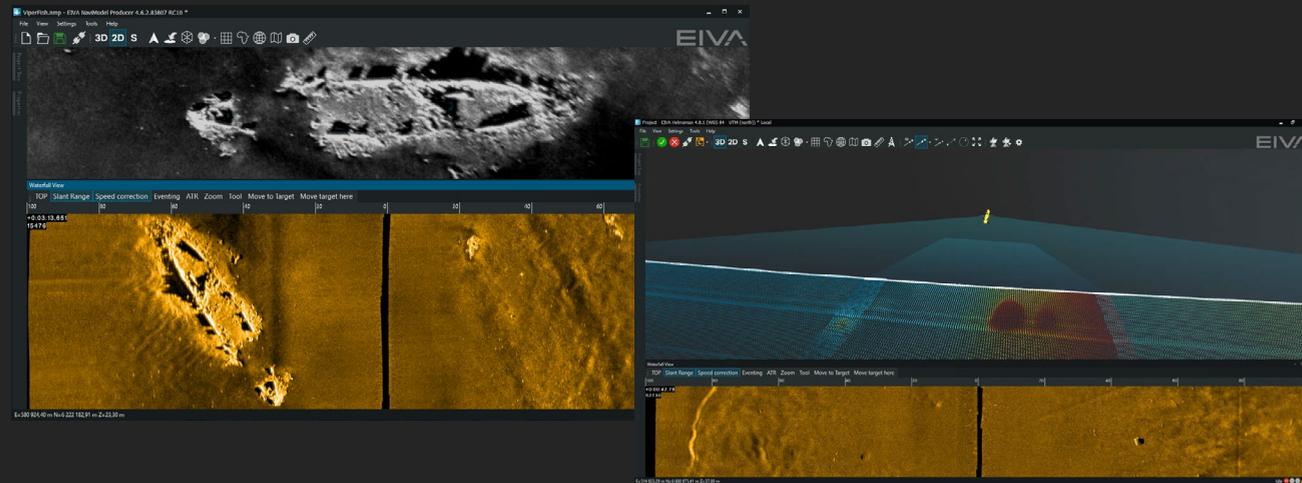


# 3D steerable sensor platform for towing by USVs and small vessels

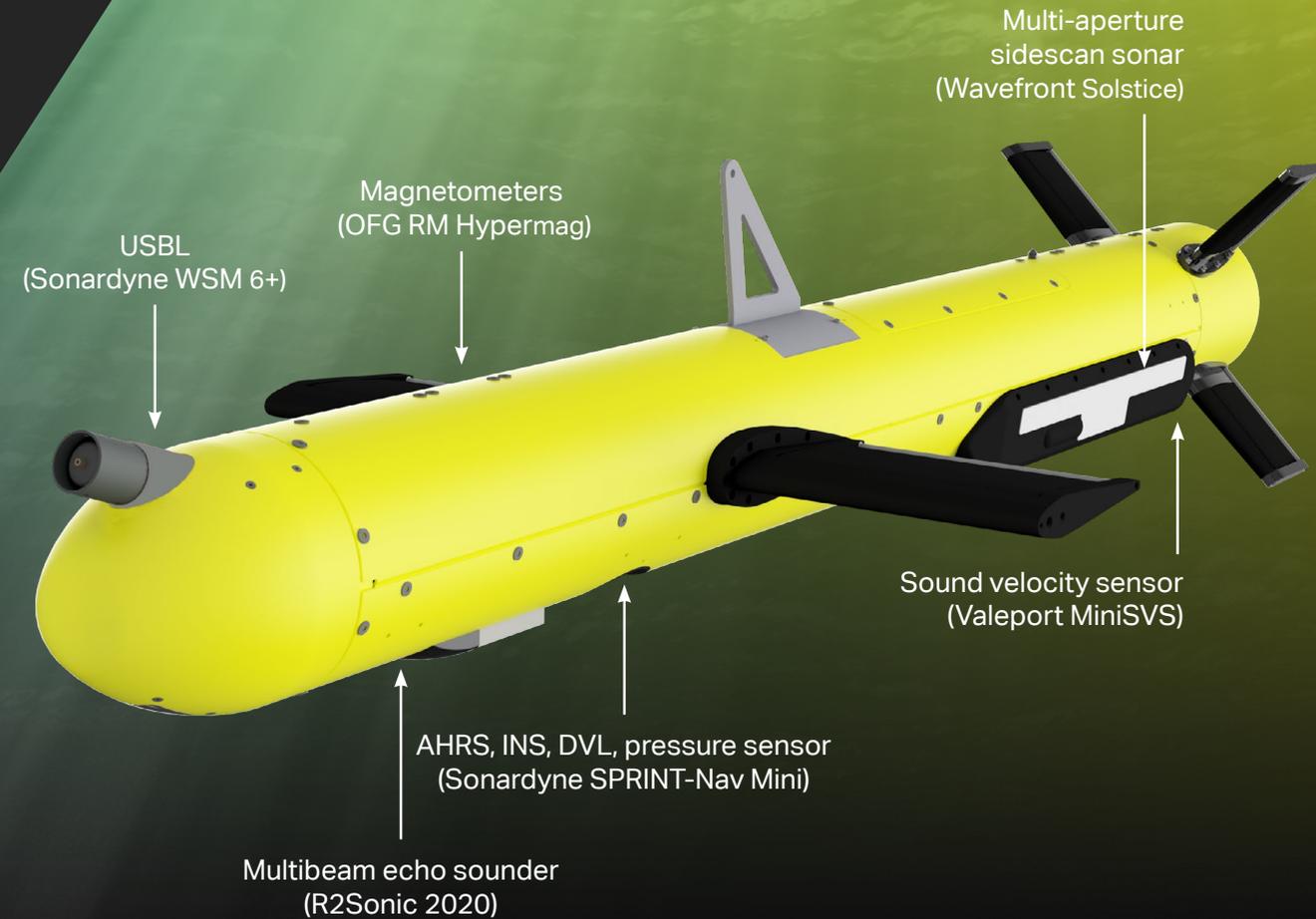
**Delivers high-resolution data collection for survey and inspection tasks**, enabling operators to reach narrow and complex areas close to the seabed – whether deployed from a crewed vessel or as part of an autonomous USV operation.

**Provides exceptional stability, precise steering and automated depth control** to ensure consistent, high-quality data in challenging environments. Equipped with high-performance sensors – including multibeam echo sounder, magnetometers, sidescan and optical payloads – making it suitable for offshore energy surveys, geophysical inspections (including UXO), subsea pipe and cable work, and defence applications such as mine-countermeasures and rapid environmental assessment.

**Integrated with NaviSuite software**, enabling automated operation execution, obstacle avoidance and streamlined processing – delivering smoother terrain following and more efficient workflows from runline planning to final results.



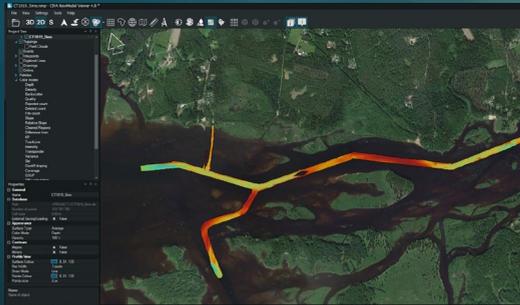
ViperFish



Smarter surveying. Stronger seabed insight.

# Curious to dive into customer stories?

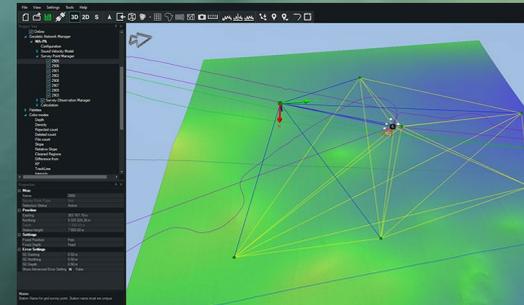
# Proven in the field. Delivered in the data.



## NaviSuite Kuda

'Thanks to its automation tools and user-friendly, streamlined interface, NaviSuite Kuda Core is a great software solution for remote surveys. I have found that the Coverage Assist real-time runline creation tool steers the USV more accurately than a human would be able to, helping the surveyor to ensure efficient area coverage and high-quality data – overcoming challenges of shallow water conditions.'

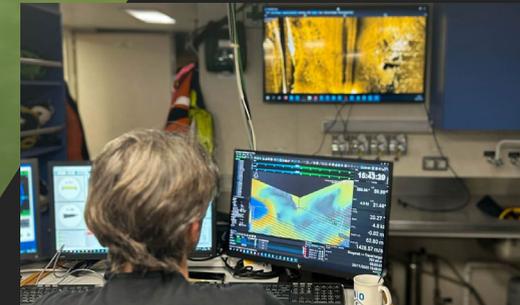
Kasper Engblom, Technical expert  
at Civil Tech Oy Ab



## NaviSuite QC Toolbox

'The NaviSuite QC Toolbox is a powerful suite of high-performance applications that enables the analysis, manipulation and visualisation of survey, positioning, and site investigation data for BP. The solution replaces several legacy applications, providing users with all of the existing functionality, but with significant improvements and enhancements.'

Josh Townsend, Survey Solutions Manager  
at BP



## ScanFish Equinox

'We imaged small objects, which we would never have been able to detect with a conventional sidescan sonar, thanks to Equinox's high-resolution Solstice multi-aperture sonar. We were able to save a lot of time and deliver higher quality data with the stable 3D control of the ScanFish ROTV platform and the positioning accuracy provided by the combination of USBL and INS.'

Thorbjørn Ekfeldt, Project Manager  
at Reach Subsea



## ScanFish Katria

'Over the course of a few months, I went from having no experience operating ScanFish to deploying three ScanFish simultaneously – a setup which allowed us to speed up the data acquisition process.'

Darren Kirkwood, Survey engineer  
at GEOxyz





## Renting ...could be your most profitable purchase

Try before you buy

There is a long list of solutions to choose from, covering software, equipment and system solutions – basically everything you see in this brochure, including technical assistance

We do not rest until you've set sail with the optimal solution



## We're ready to help... if the wind is taken out of your sails

We offer software and equipment support from a dedicated team

They are a qualified team of surveyors, technicians and engineers who know the drill

Including on- or off-site assistance for mobilisation and as part of a project, depending on your needs





## Teaching you the software ropes with eLearning

Upgrade your skills whenever and wherever you want through an annual subscription

Track and document learning progress and achievements

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## ... and training courses

Supplement eLearning with training courses covering advanced features and exercises

Standardised and tailored courses as classroom training throughout the world – including at your premises – or virtual training

Experienced instructors and international network of strategic training partners

Headquartered in Denmark  
Founded in 1978  
Fully owned subsidiary of Covelya Group  
In-house R&D department and training course facilities  
Financially strong  
ISO 9001-certified

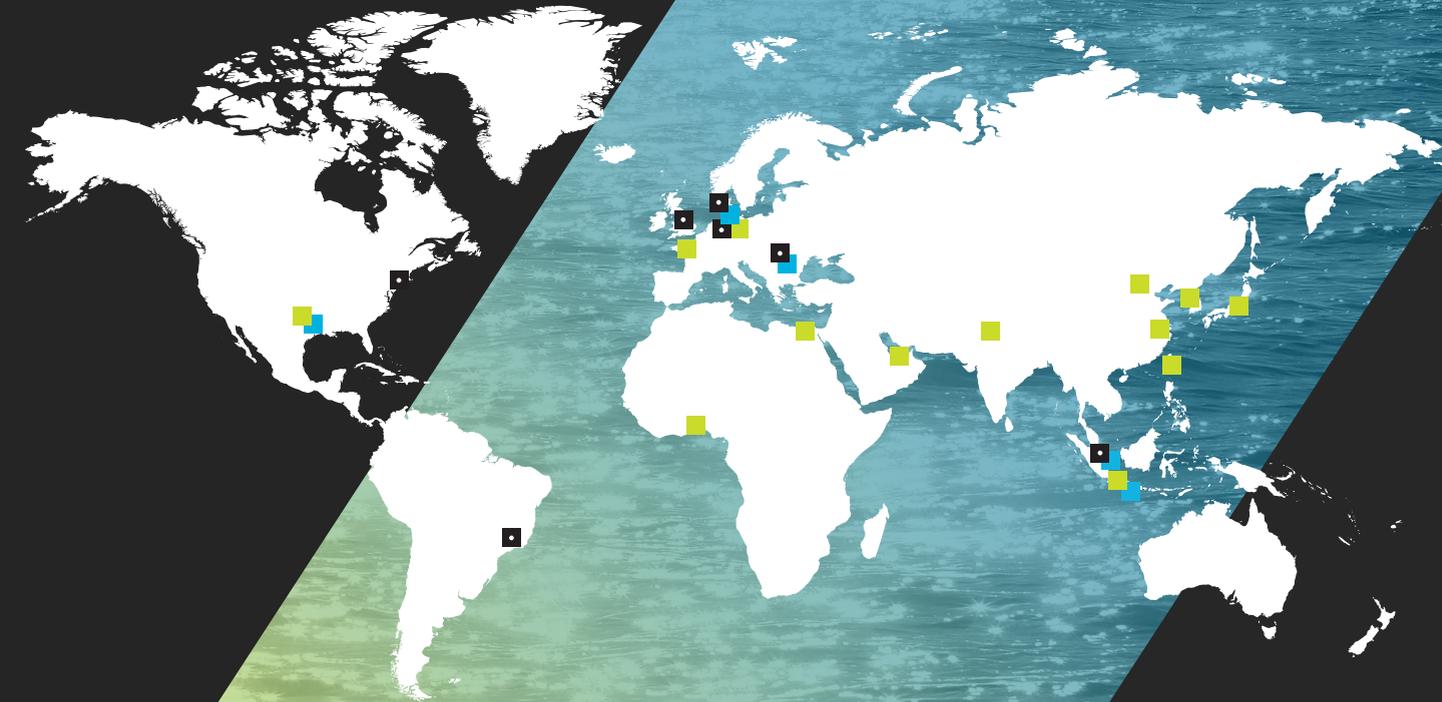
Want to further explore  
the EIVA sea?

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EIVA locations 

EIVA resellers 

EIVA local technical support 

# EIVA



Trusted underwater.  
Proven worldwide.