



SEE IT ALL



Marine Electronics &
Satellite Communications

www.mackaymarine.com

A 3D bathymetric map of the seafloor, color-coded by depth with red and orange for shallower areas and blue and purple for deeper areas. A white arrow points from the top right towards a specific feature on the seafloor. The background features a grid of white contour lines representing depth changes.

DISCOVER WHAT LIES BENEATH

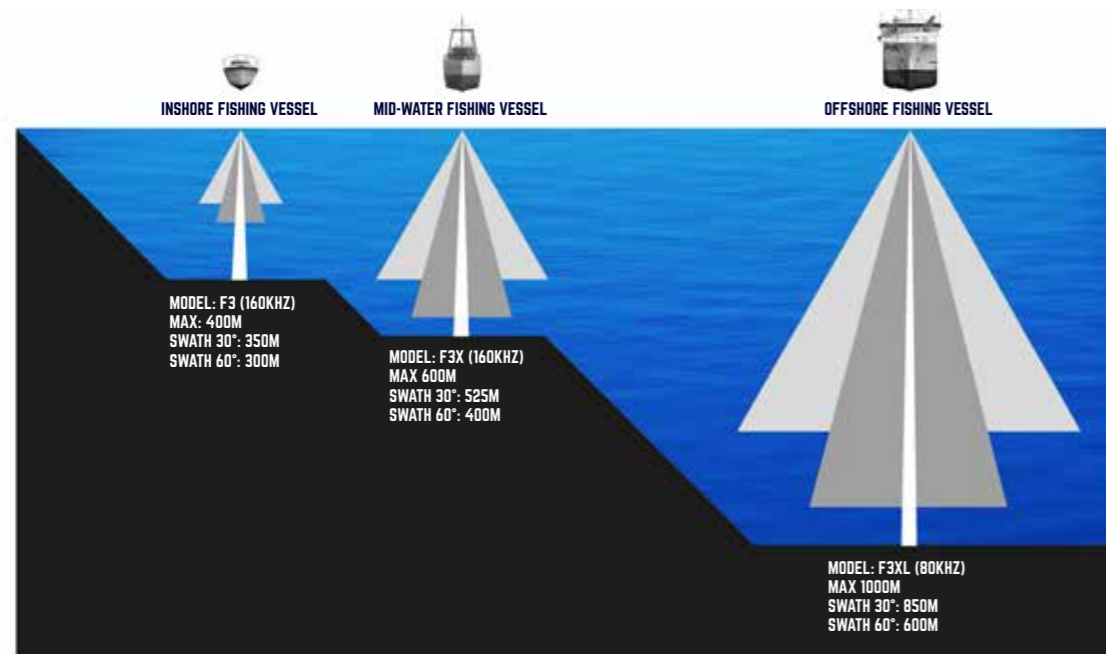
Just imagine! Now you can map the seafloor in 3D and in real-time to see what lies beneath your vessel. And with greater accuracy, at a significantly reduced cost.

DISCOVER WASSP MULTIBEAM

ACCURACY LIKE NEVER BEFORE

WASSP Multibeam Sounder technology is a true game-changer. Profiling the seabed up to 100 times faster than single-beam echo sounders, WASSP lets you see what's beneath your boat with accuracy and resolution like you've never had or seen before. With WASSP 3D mapping in real-time, you can accurately profile the water column and seafloor with unparalleled precision to reveal:

Reefs • Fish • Wrecks • Backscatter • Foreign objects • Seafloor artefacts



NOTE: All depth performance will be dependant on actual environmental conditions. The electrical and acoustic operating environment will have a direct impact on the depth achieved.

SUPPORTED IN MORE THAN 30 COUNTRIES

Since the first installation in 2006, WASSP has seen incredible growth in all areas. WASSP is now distributed in more than 30 countries and has been embraced by the commercial fishing, recreational fishing, superyacht, hydrographic, professional workboat, navy and coastguard sectors.

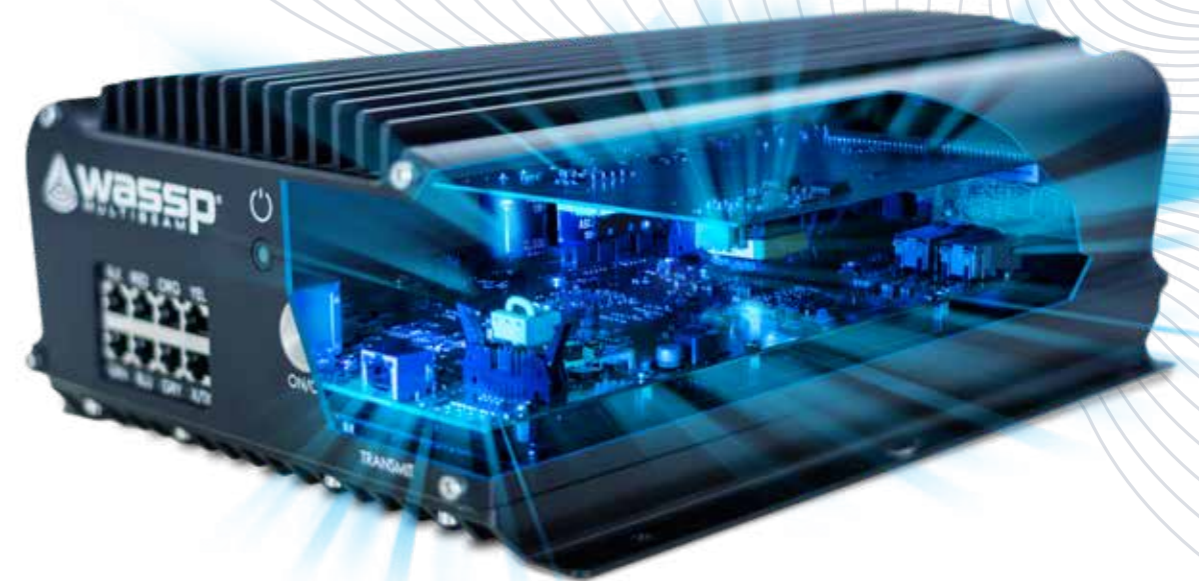
VERSATILE AND COST-EFFECTIVE

WASSP is available in versatile, cost-effective packages tailored to suit vessels of all sizes. WASSP gives you:

- Wideband fully digital centre frequency of 120-160kHz with a frequency range of 90-190kHz or centre frequency of 60-85kHz with a frequency range of 40-105kHz
- A depth range from 1m to 1000m, depending on model
- A versatile Digital DRX transceiver future-proofed and ready for the next advances in technology
- The ability to choose your own functions, with a growing number of licensing options
- A cost-effective solution for multiple applications
- Wireless capability, with optional licence
- Easy installation
- Turnkey solutions with position/heading and motion sensors
- The option of CDX graphical interface or interface with other specialist programs

INTERFACE VERSATILITY WITH LEADING SOFTWARE MANUFACTURERS

WASSP systems have been designed to seamlessly integrate with leading hardware and software suites (depending on the WASSP system you are working with). WASSP can integrate with navigational suites such as MaxSea and OLEX, as well as hydrographic software suites such as HYPACK, BeamworX, EIVA, Echoview and QINSy.



THE DIGITAL DRX TRANSCEIVER

This innovative, low power (equivalent to 1kW), all-in-one “black box” is not just a robust hardware platform. It also introduces world-leading, cutting-edge technical innovations and incredible versatility for a variety of applications, from finding your catch and exploring new areas, to surveying and mapping. This opens up countless new opportunities for your operations.

- The DRX Transceiver is the heart of the WASSP system, which provides live processing of your data to deliver realistic sounder and mapping graphics
- It has the processing power of a supercomputer
- The DRX is the core of all further developments, so you're future-proofed



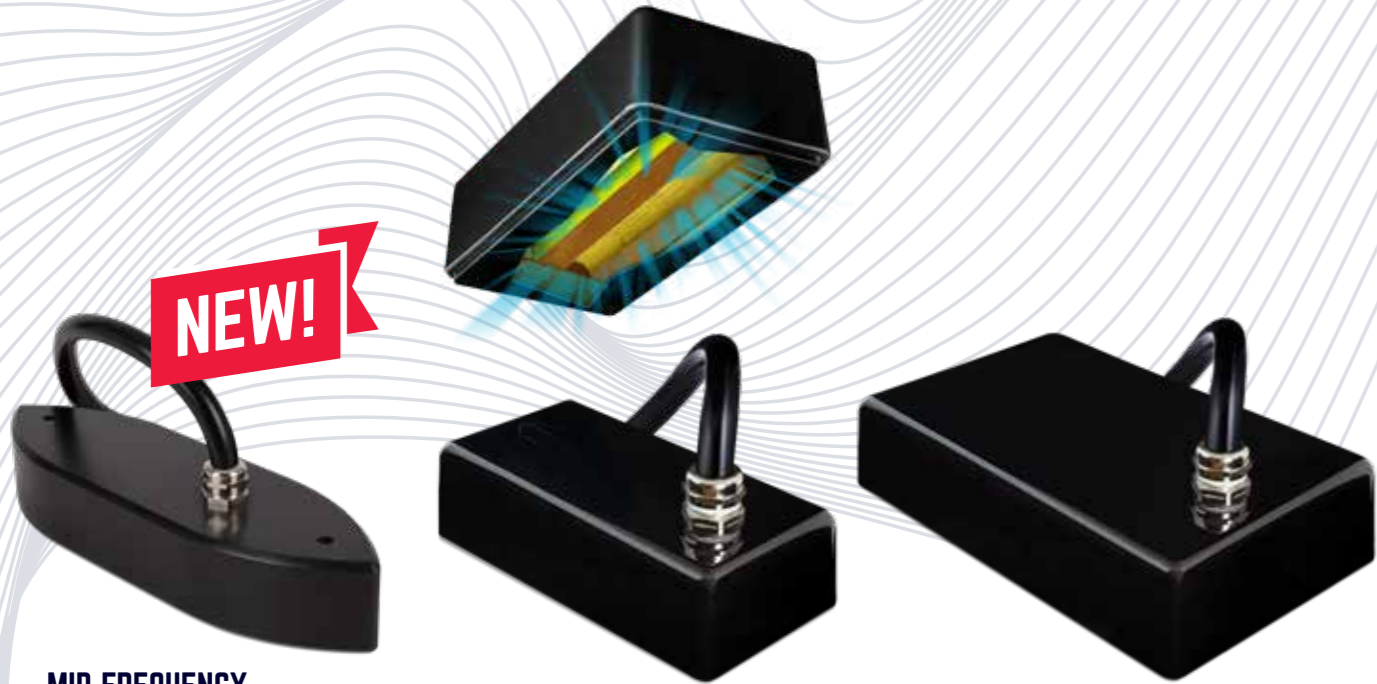
DRX-32

The DRX unit used with F3, S3 and W3 models.



DRX-46

The DRX unit used with F3X, F3XL and W3X models.



MID-FREQUENCY WIDEBEAM TRANSDUCER

For use with DRX-32 and DRX-46 and depths 1m to 600m

TRANSDUCER WMB-160

For use with DRX-32 and DRX-46 and depths 1m to 600m

TRANSDUCER WMB-80

For use with DRX-46 and depths from 2m to 1000m

THE WASSP TRANSDUCER

The WASSP Multibeam Transducer was developed by WASSP's in-house R&D team.

With the highly-sensitive WASSP transducer, you get much more depth than a similar-powered traditional sounder.

MID-FREQUENCY WIDEBEAM TRANSDUCER

The first of the new Widebeam Transducers from WASSP has introduced mid-frequency Widebeam for external hull mounting or pole mounting. Matching fairing blocks and pole mounts are available.



CARBON FIBRE MAST

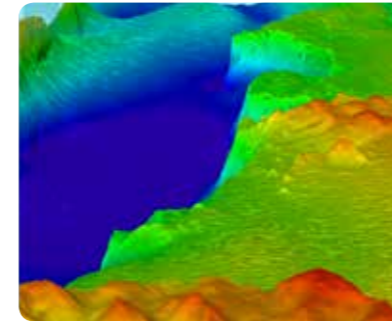
GET A WASSP MULTIBEAM FOR YOUR BOAT

WASSP Multibeam Transducers are manufactured in our New Zealand factory from scratch, including cutting the ceramics. You'll find they are neatly designed and compact, easily fitted to a sea chest suitable for your vessel's hull. Alternatively, the transducer can be deployed into the water on a light-weight carbon fibre mast. Your WASSP dealer has the expertise you need to recommend the ideal WASSP Multibeam Sounder for your boat.

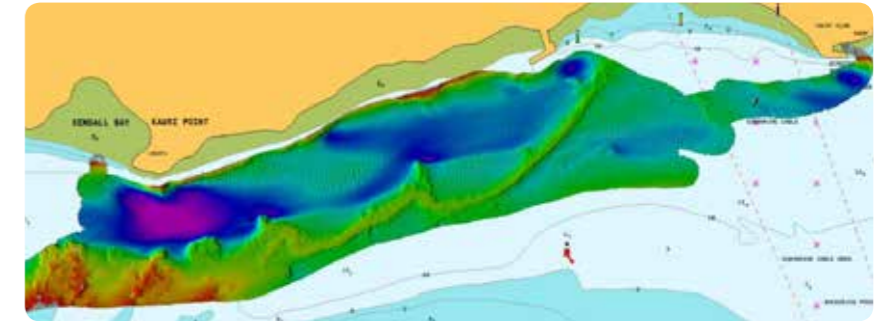
WASSP FEATURES

3D BATHOMETRIC MAPPING

- Real-time
- Cube image TIMEZERO only
- 3D image CDX-only
- Generate a 3D map and position yourself to fully understand your environment
- It's your map for life
- Optional water column targets and Backscatter bringing your sounder interpretation into your map



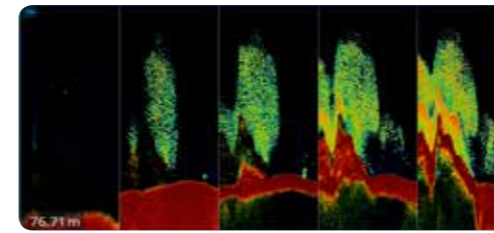
3D map of Auckland Harbour shipping channel in CDX



2D map of Auckland Harbour on Navionics chart in CDX

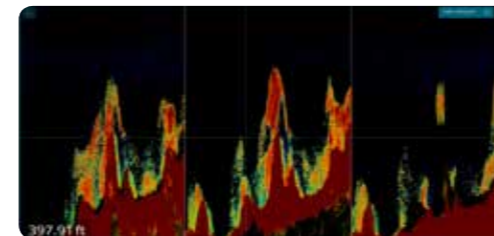
2D MAPPING

- Shading by depth
- Optional Backscatter indicating bottom hardness
- Multi-resolution – zoom in for more detail



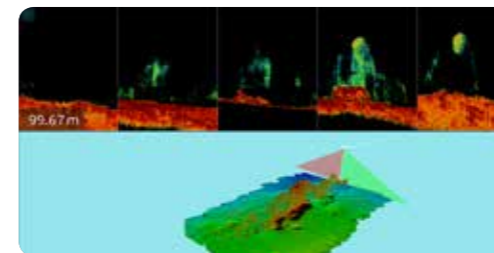
SINGLE, TRIPLE AND QUINTBEAM SOUNDER

- Set up beam angle and width for each of the 5 display beams
- See what is below you, as well as what is to port and starboard, and where the bulk of the fish are, in a single pass
- Geo-referenced sounder creates a mark on an echo in any beam, live or historic, and the mark will appear on your 2D Navionics map



HIGH-RESOLUTION CHIRP SOUNDER

- Multi-frequency to enhance detection and reduce false detection
- TVG for individual fish detection, even in deep water
- Mathematically superior sounder
- 160kHz transducer allows CHIRP over 60kHz +/- 30kHz from centre frequency
- 80kHz transducer allows CHIRP over 20kHz +/- 10kHz from centre frequency



WIDE COVERAGE WITH HIGH-DEFINITION DETAIL

- 120-degrees of coverage with the detail of a narrow beam 4-degree single-beam high-resolution sounder
- See full width of a net to ensure there are no obstacles
- Wide coverage in a single pass to see rock, fish and the surrounding habitat
- Map up to 3.5 times wide swathe with every pass so in 50m deep water, you get up to 175m wide mapping in each pass

SIMPLE OPERATION

- Dedicated CDX OS option does everything that WASSP offers
- Interface with your usual fishing software, TIMEZERO or Olex for full situation awareness in a single plotting software package
- Interface with your preferred survey information, either live or as data export, for analysis and post-processing

F-SERIES

FIND IT ALL

HOW TO CATCH THE MOST PROFITABLE FISH IN LESS TIME USING LESS FUEL

We all know, with fishing, habitat is where it's at. Even if you're fishing for mid-level schooling fish, the seafloor is the beginning of the food chain. With WASSP Multibeam, you'll find fish and relevant habitat over a much wider area than traditional single-beam systems. Plus, detect where hard ground starts and finishes, so you can optimise your fishing operations. You'll quickly find the WASSP F-Series is purpose-designed for all fishing operations and is ideal for:

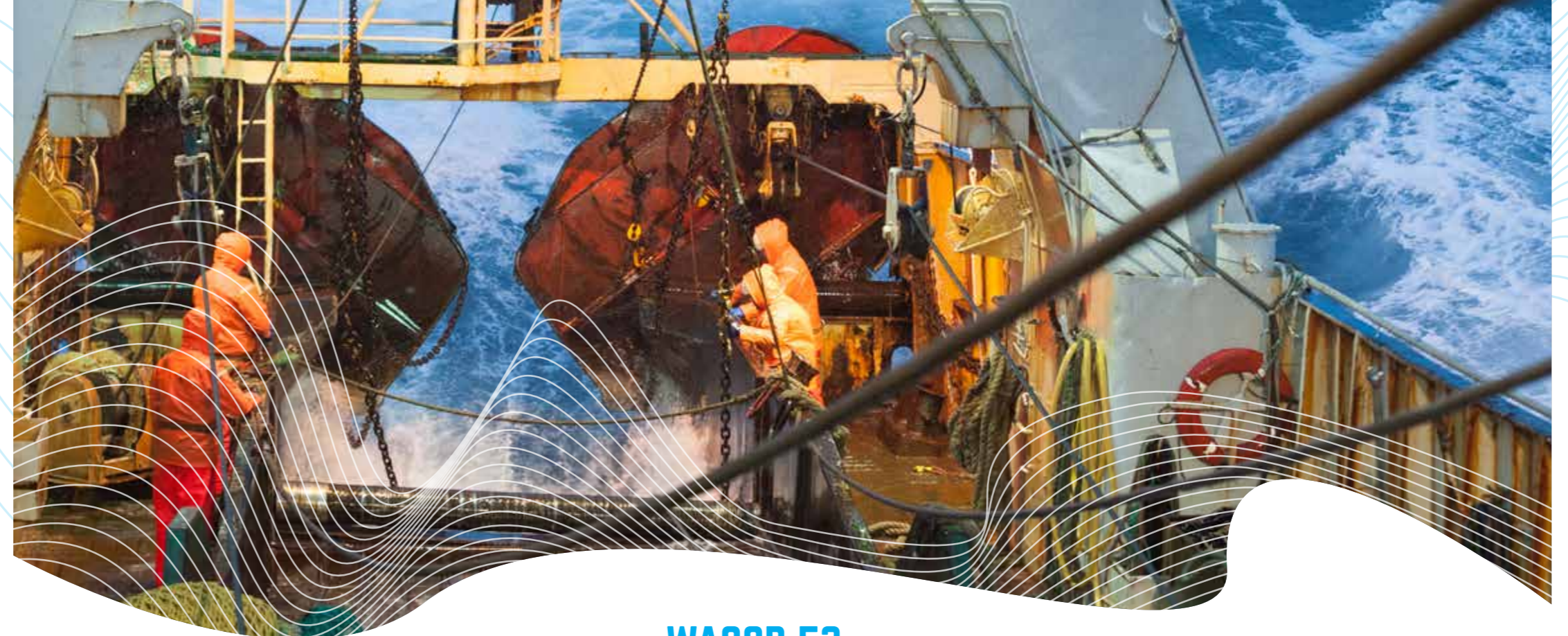
- **Inshore, coastal and offshore fishing**
- **Trawling**
- **Purse seining**
- **Pot fishing**
- **Shellfish dredging**
- **Longlining**
- **Fish farms**
- **Sport fishing**

PLUS, SUCCESSFULLY EXPLORE NEW FISHING GROUNDS

Now you can confidently explore new fishing grounds much faster and with greater accuracy. This is especially useful if regulations around fishing grounds change or environmental factors such as weather patterns, storms or current flows affect your usual fishing grounds.

10 GREAT BENEFITS OF A WASSP F-SERIES FISHING SYSTEM

1. Map fish schools faster
2. Save fuel due to less time steaming
3. Successfully explore new fishing grounds
4. Break in new grounds faster and more accurately because you can see what's there
5. Target or avoid hidden underlying rock with bottom hardness information
6. See obstacles and haul in your gear before you foul up, avoiding costly damage
7. Target new grounds you previously thought unfishable
8. Target the school for best efficiency
9. Increase your catch-rate
10. Enjoy faster turnaround and less time spent at sea



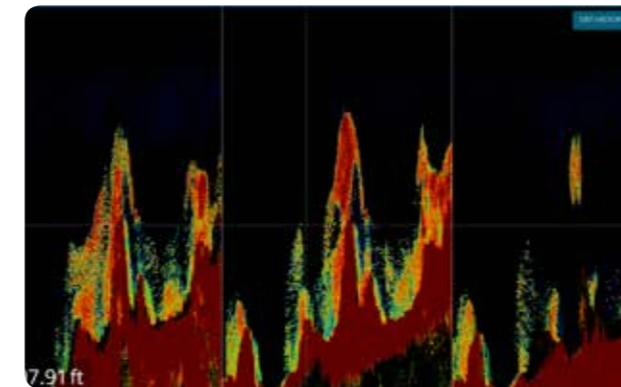
“My WASSP F3 not only saves me time, it also saves my fishing gear and makes the effort of all the crew more profitable.”

– Abel Carreño, Skipper, F/V Romina Segundo, a purse seiner based out of the Spanish port of Portosín

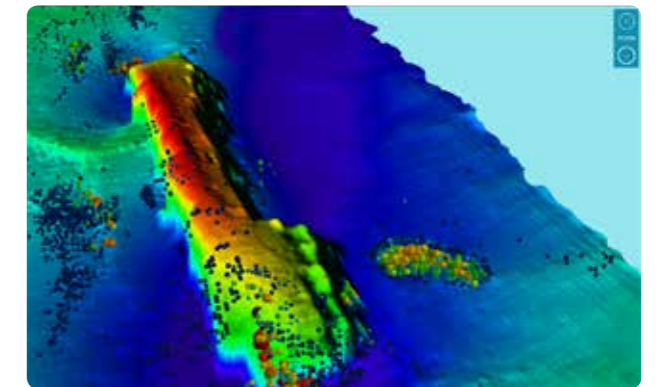
WASSP F3

The F3 is a multibeam sounder designed around the fully digital DRX transceiver. It features a low power processor DRX-32, with a high frequency transducer WMB-160 to give you a maximum depth of 400m. This solid state processor (which would be called a supercomputer in the gaming world) is a robust hardware platform with cutting-edge innovation. It's accurate, versatile, easy-to-use and scalable to suit your exact needs.

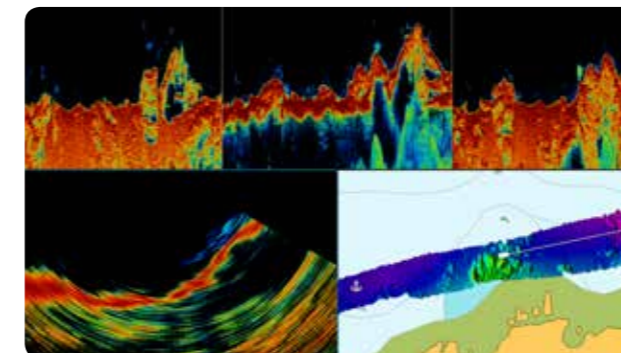
With wideband CHIRP technology and multibeam, you can scan up to a 120-degree (up to 3.5 times depth) swathe port-to-starboard for a complete picture of seafloor bathymetry, giving you unprecedented clarity.



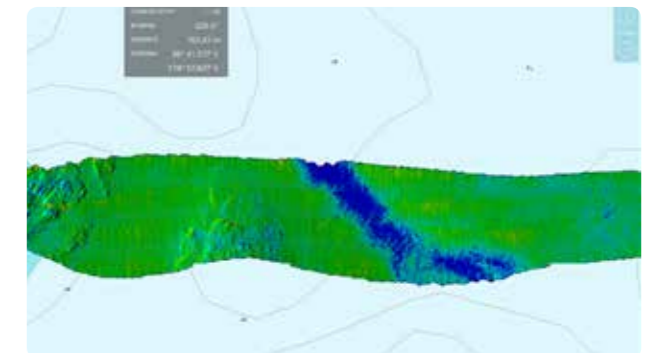
WASSP triple sounder (port, below and starboard) showing fish schools, with individual fish more prevalent to port



3D map of unknown wreck with water column target license showing schools of fish



Triple sounder, with more fish to port. Sonar showing shallower water to starboard and mapping over Navionics chart in CDX



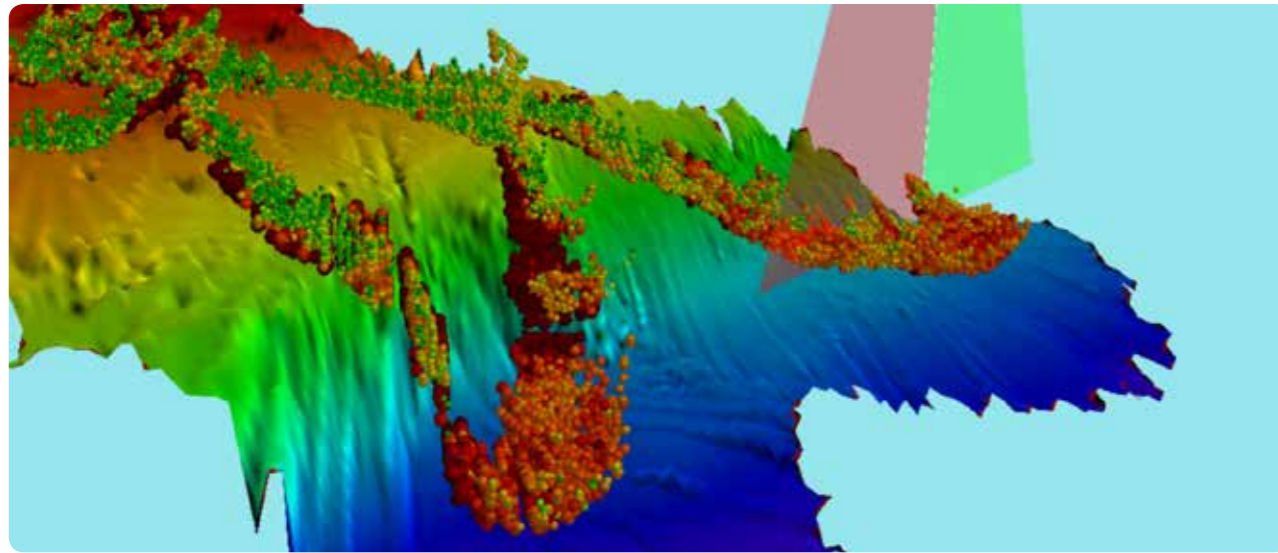
Backscatter image of Hauraki Gulf, Auckland, New Zealand, on Navionics chart in CDX showing the softer underground spring

WASSP F3X

With 12 times the power of the F3, all-new F3X is a quantum leap forward in multibeam sounder technology. The F3X features the higher power DRX-46 processor with a high frequency transducer WMB-160, giving you a maximum depth of 600m.

This, along with long pulse time that equates to more energy in the water, means more clarity in shallow and medium depths of 50 to 500m. F3X also comes

as standard with our patent pending Interference Management Systems (IMS), including AKP ready for install on complex vessels with several other existing sounders and sonars. With over 20 years' experience developing multibeam technology, WASSP is proud to set the standard for multibeam performance in the fishing industry, giving you better target detection, deeper depths and greater processing power than ever before.



Schools of fish on a mapped drop from 100 to 200m, shown in CDX on 3D map with water column targets

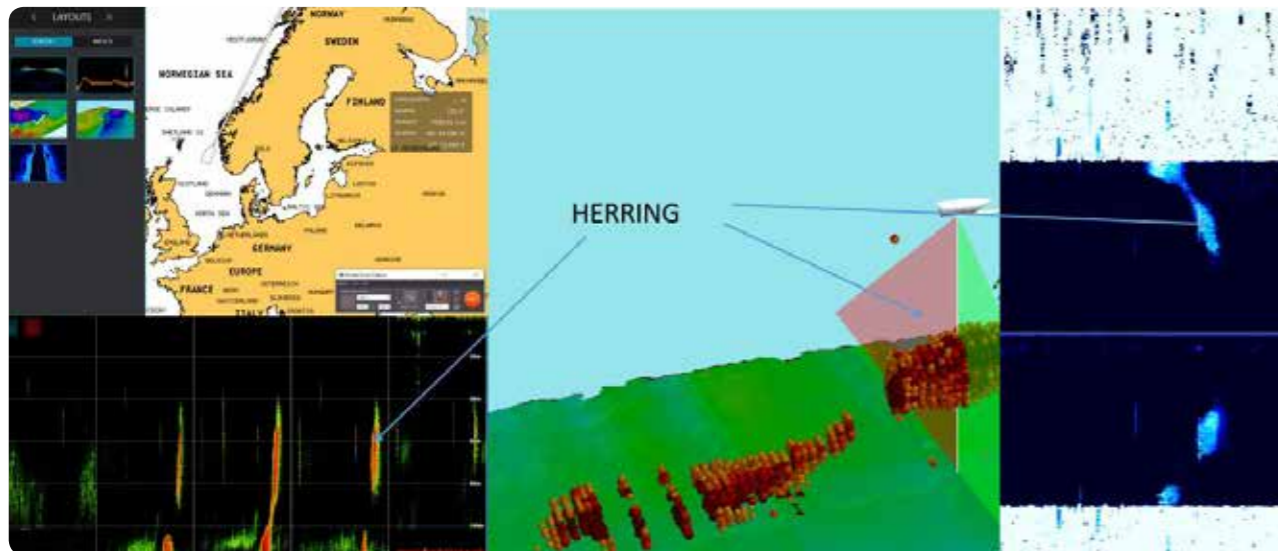
WASSP F3XL

The F3XL features a higher power DRX-46 processor with a low frequency transducer WMB-80, giving you a maximum depth of 1000m.

With the 80kHz transducer, the F3XL provides the ability to operate as a sounder in depths of 1000m and provide mapping of the seafloor, with water column targets (fish) shown in 850m of water. F3XL also comes standard with our patent pending Interference Management Systems (IMS), including

AKP, ready for install on complex vessels that have several other existing sounders and sonars.

You can map fish schools and plan your fishing to maximise your quota. This ensures the maximum value for the fish caught, giving you the best return on investment while helping you fish sustainably. Plus, it interfaces with TIMEZERO Pro to help you make a strategic fishing plan by optimising all the fishing tools available to you.



Collection of WASSP screen shots mapping herring schools in the North Sea using CDX with 2D Mapping, Quintbeam sounder, 3D mapping with WCT and SideScan

FISHING APPLICATIONS



INSHORE - F3

This scalable system gives you a wide range of features and capabilities. The system can be tailored to all types of inshore fishing to optimise all operations for greater efficiency and increased productivity.



COASTAL - F3, F3X

The 3D presentation of the seabed, combined with the optional Backscatter function, helps you assess seafloor hardness to identify the best fishing grounds in a range of different environments.



OFFSHORE - F3X, F3XL

With accurate water column and seabed information, you'll be better informed to make decisions that will maximise your catch and minimise your time at sea. The wideband CHIRP technology gives you excellent separation of target species throughout the water column for more sustainable fishing.



SPORTFISHING - F3, F3X

With its 120-degree port-to-starboard swathe, you'll locate and map baitfish shoals quickly and easily. This lets you present your lures and bait to marauding billfish and tuna with great accuracy. The wideband CHIRP technology enables excellent target separation of bottom species like bass and bluenose.

“In my personal opinion the F3X represents a real leap forward in WASSP technology. The WASSP team should be very happy and I fully recommend the F3X.”

- F/V Igueldo Captain, Miguel Pouseu

S-SERIES

MAP IT ALL

Our S-Series is purpose-built for surveying and mapping. You'll find it's ideal for:

- Detailed survey
- General survey to identify areas that need more inspection
- Port and harbour management
- Dredging
- Offshore energy cable checking
- Navigation
- Security
- Wreck hunting
- Search and rescue
- Fish farm checking
- Infrastructure checking



“Currently, we have a project to survey inland ponds and coastal estuaries. Our remote, autonomous kayak with WASSP is going to be the main workhorse for that project.”

During initial trials, the WASSP Multibeam was able to profile ripples on the estuary floor up to 15cm in distance apart.”

– Kristopher Krasnosky, University of Rhode Island PHD student and researcher

S3

AFFORDABLE, PROFESSIONAL-LEVEL MULTIBEAM SOUNDER

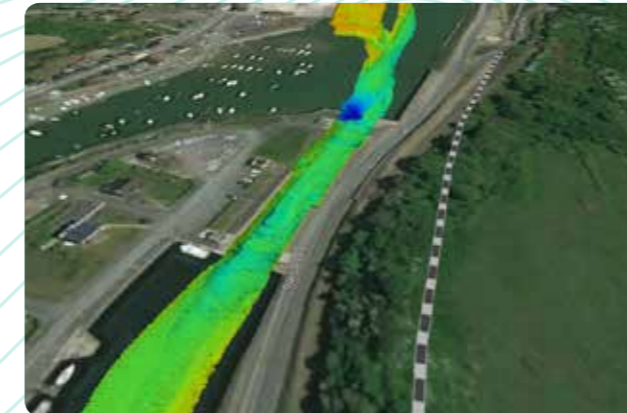
For more than a decade, WASSP has delivered professional-level multibeam sounders with a product and price-point that bridges the gap between single-beam sounder and higher-priced MBES systems. The S3 is one of the world's most cost-effective, professional survey and mapping multibeam sounder solutions. Designed as a mid-level survey sounder, the S3 will meet your budget, operational needs and future technology roll-out. And it lets you cover your survey area up to 100 times faster than a single-beam sounder.

NOW YOU CAN UNDERSTAND WHAT YOU'RE LOOKING AT

The S3 features the lower power DRX-32 processor with a high frequency transducer WMB-160, giving you a maximum depth of 400m. Scanning a 120-degree swathe, port-to-starboard using 224 beams, and using advanced signal processing, the S3 gives you a complete and accurate picture of seafloor bathymetry so you can really understand what you're looking at.

You can choose to use the new, enhanced WASSP CDX for all your WASSP system set-up and live operational graphical user interface, enabling live or end-of-survey export of raw data to your survey suite, including HYPACK, Beamworx, EIVA and QINSy and others.

SURVEYING APPLICATIONS



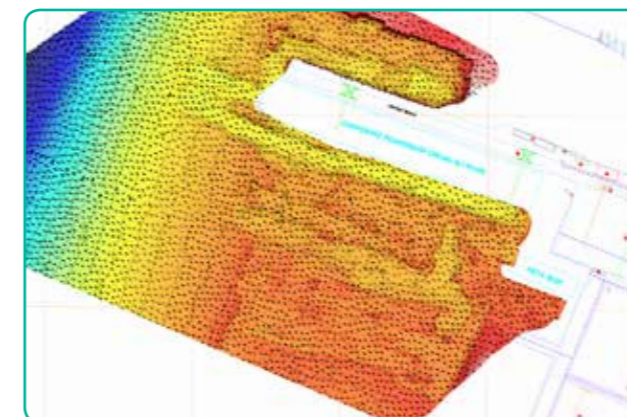
HYDROGRAPHIC – S3

The WASSP S3 bridges the gap, both technically and commercially, between single-beam survey sounders and high performance MBES systems. The easy-to-use CDX graphical user interface makes data collection simple. Open source interface means interfacing with your preferred survey software suite is easy. The S3 is open to many different sensors, which means it can be easily installed on any survey vessel. Plus, you get flexible data output to meet your requirements.



WORKBOAT – S3

With the WASSP you get up to 100 times coverage of a single-beam sounder during standard operations. Workboat crew can monitor underwater infrastructure while completing their day job. Data collection is easy, with output in XYZ, GSF or direct to your survey software suite. Plus, Backscatter and visual side scan licenses can provide extra detail if you need it.



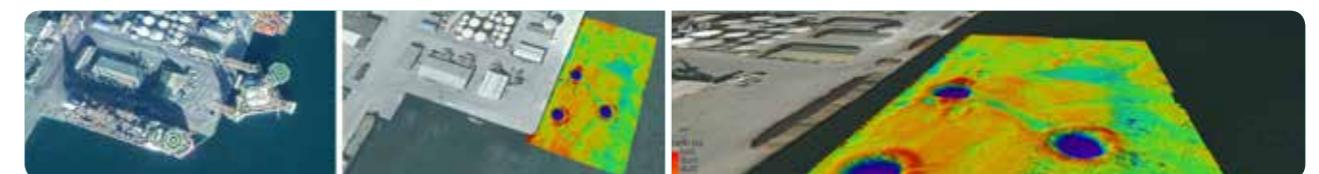
CONSTRUCTION – S3

The WASSP S3 enables constant checking of a project's status during construction without the need and expense of a specialist survey vessel. You can visualise the construction as it progresses, as and when you need. And you can find and retrieve tools (e.g. drillheads or diggers) if they have been dropped, saving you the inconvenience and replacement cost.



DREDGING – S3

When you're dredging an area, now you can visualise and review your work as you go to assess your progress and highlight any areas you may have missed. You can also benefit from faster coverage to get the full picture quickly, rather than just spot checks. Plus, you can find and retrieve tools (e.g. drillheads or diggers) if they have been dropped, saving you the inconvenience and replacement cost.



HARBOUR MONITORING – S3

Harbourmasters need to see what's happening on the seafloor within their harbour for many reasons, whether that's to prove damage or to check a fix is good, or to monitor channels and banks.

W-SERIES

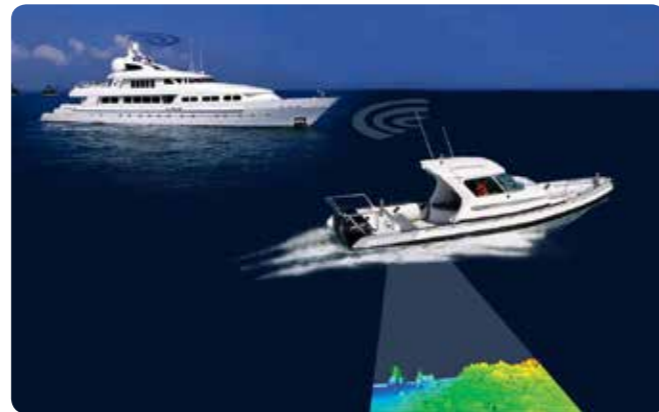
EXPLORE IT ALL



GET REAL-TIME REMOTE MAPPING WITH MULTIBEAM SOUNDER

With our W-Series, you can now explore the unknown with complete confidence. The W-Series is perfect for:

- **Generating bathymetric charts to allow you to explore new places on:**
 - Superyachts
 - Exploration vessels
 - Cruise ships
- **Search and rescue**
- **Coastguards**
- **Navy**



WASSP on Tender providing live bathymetric data via WiFi link to the Mothership for safe navigation

YOU'LL ENJOY SAFER ANCHORAGES

With the W Series, captains can use a support vessel or Tender to remotely gather accurate bathymetric information that is not reliable in navigation charts. This means faster, safer navigation and anchorage in poorly charted regions.

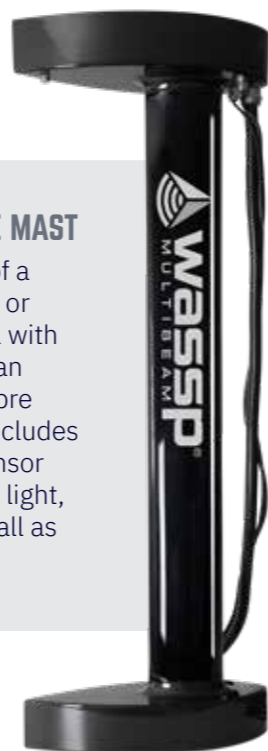
For vessels such as superyachts and cruise ships that are exploring remote locations, dive sites or wrecks, the W3 can help you avoid obstacles and accidental damage and plan for the perfect dive, fish, or anchorage for lunch. With multiple Tenders, you can map the seafloor even faster and find the perfect anchorage more quickly.

KNOW IF THE SEAFLOOR HAS CHANGED

Natural events like cyclones, hurricanes, volcanoes and earthquakes can alter the seafloor. This means the bay in which you anchored last season may no longer be safe. Only real-time data can tell you. Don't take the risk – play it safe and make your own bathymetric maps with WASSP.

DEPLOY A CARBON FIBRE MAST

When a fixed installation of a transducer isn't an option, or you want to equip a vessel with WASSP temporarily, you can deploy a WASSP carbon fibre mast into the water that includes the transducer, motion sensor and satellite compass. It's light, and quick and easy to install as and when you need it.



W3

The W3 features a low power DRX-32 processor, with a high frequency transducer WMB-160, providing a maximum depth of 400m. It gives you a complete and accurate picture of seafloor bathymetry so you can see what's there quickly and easily. Available in a waterproof Pelican case for portability.



W3X

The FX3 features a higher power DRX-46 processor, with a high frequency transducer WMB-160, giving you a maximum depth of 600m. With Backscatter, you can see the structure of the seafloor and understand how hard or soft it is, which helps you with anchor selection, and dive and submarine planning.

REMOTE MAPPING APPLICATIONS



DEFENCE – W3

With the WASSP W3, you can easily identify damage to the seafloor following a natural disaster. You can map an area extremely quickly to assess conditions so you know when and where it's safe to proceed. Search and rescue vessels can locate bodies, dropped tools or equipment, discover artefacts or find unexploded bombs with far greater efficiency.



WIRELESS MAPPING FROM TENDER – W3

Using a Tender, you can quickly generate your own up-to-date and trusted bathymetric map to safely navigate the Mothership to the best anchorage for the day. You can also follow the Tender as it goes through tricky waters to make sure you avoid any hidden obstacles, averting possible damage. With Backscatter, you can understand the seafloor hardness to ensure you use the correct anchor.



EXPLORATION – W3

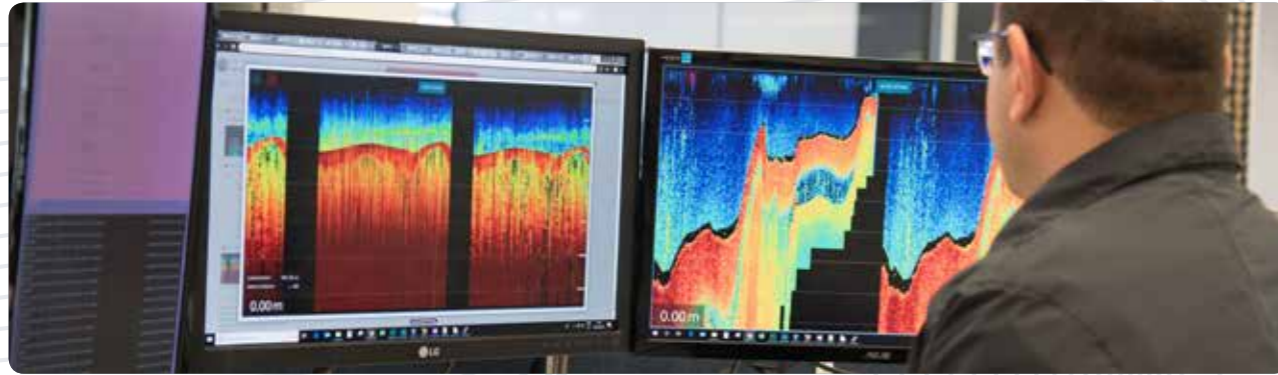
If you're exploring new territory, many areas that are off the 'beaten track' won't have been mapped in years, decades, or may use charts based on surveying from the beginning of the British Admiralty. This means you can only trust maps you generate yourself to ensure your safe passage. With the W3, you can get a 3D image of a rock or wreck you may wish your guests to dive on, or navigate a submarine or Remote Operated Vehicle (ROV) around. Plus, it's the ultimate fish finder for a fishing trip to somewhere no one else has fished before.



RAPID DEPLOYMENT – W3

While a fixed transducer installation in your Tender is most ideal, this is not always possible. In these cases, you can use a WASSP carbon fibre mast that includes the transducer, motion sensor and satellite compass that is light and quick to deploy as and when you need it. In an open vessel, the DRX Processor can be installed in a Pelican case to protect it from water damage.

UNCOVER THE WASSP R&D STORY

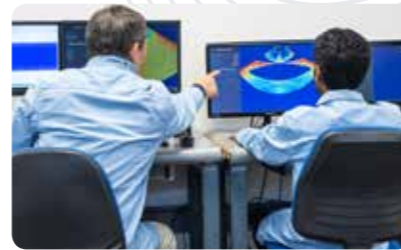
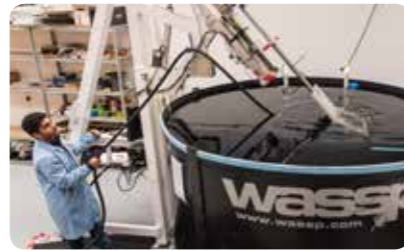


30 YEARS OF R&D INVESTMENT

For many, it had long been believed that wide-angle multibeam sounders would remain too expensive for commercial fishing applications. Eventually, the WASSP R&D department at ENL would change this. So where did this journey start?

1990: ESTABLISHING THE R&D DIVISION

In 1990, ENL (WASSP's parent company) established their R&D division. ENL quickly became the market leader in the Orange Roughy Fishery after developing Netlink™, net-monitoring system software and sensor solution providing fishers with the net velocity and accurate distance behind the vessel down to 2000 metres. ENL's current Managing Director was product-owner responsible for production, in-field testing and validation, establishing markets in NZ, Australia and Canada.



WINNING MARITIME AND NAVY CONTRACTS

In the late 1990s, when GMDSS became mandatory, ENL moved its R&D to Datamaster™, a software and hardware solution for DSC (Digital Select Calling) monitoring. ENL won contracts with the New Zealand Maritime Authorisation and the Australian Maritime Authorisation, enabling land-based monitoring of DSC across Australasia and the South Pacific. Highlighting ENL's R&D capability, ENL developed the Datamaster™ Tactical Communications to successfully win the contract to supply the Royal New Zealand Navy with 150 touch screens for secure and non-secure fibre optic communications. This product is still operation on seven RNZN vessels today.

2000: WASSP R&D TEAM ESTABLISHED

In 2000, ENL felt the New Zealand commercial fishing industry lacked cost-effective 3D technology to efficiently map the ocean in order to manage their increasing fuel cost and to better understand their fishing environment, so ENL established the WASSP R&D Team.

FIRST INTERNATIONAL ORDERS

In 2004, following successful sales of WASSP Gen 1 to the New Zealand and Australian Crayfish Sector, WASSP received its first offshore orders from Saudi Arabia for mapping pipelines in the Survey and Mapping Sector.

INTERNATIONAL EXHIBITION

In 2006, ENL and WASSP showcased WASSP Multibeam technology at its first international exhibition at SMM in Hamburg, German. This led to the appointment of WASSP distributors in Europe and North America.

TODAY, WASSP IS SUPPORTED IN MORE THAN 30 COUNTRIES

Today, ENL's senior R&D engineers and ENL management have a combined 100 years of Multibeam Sounder technology experience. These team members have been involved since our very first 'ping'. WASSP Gen1 and Gen2 have used WASSP's world-class experience to introduce the revolutionary Generation 3, which is now sold and supported in more than 30 countries.

OPTIONAL LICENSES

WASSP Multibeam has many licensing options, giving the user full control of the features and functions of WASSP to suit the specific requirements of these installation. While we aim to continue expanding the options, the following gives an indication of the current available licenses:

BACKSCATTER

Backscatter displays seafloor hardness reflectivity, which helps you distinguish between hard (rocks) and soft (mud) material in areas on the seafloor. Backscatter is ideal for survey operations, identifying fish habitats or locating a suitable anchorage.

WATER COLUMN TARGET

Water Column Target shows you the position of objects in the water column between your vessel and the seafloor.

SIDE SCAN

Side Scan lets you locate and identify objects on the seafloor off to each side of the vessel. Some structures, such as a shipwreck, may appear like a large fish school on sonar or sounder displays. But by using a side scan view, the image lets you see a wreck sitting on the seafloor clearly identifiable as a shaped manmade structure.

ADVANCED KEY PULSE (AKP)

Standard KP (included) allows:

KP Master (2 edges available: leading and falling edge delay can be configured), KP slave and Rx Blanking.

Advanced KP (AKP Licence) allows:

KP timeout duration control, KP Jitter, Slave skip and holdoff control, Ping Pong and KP forwarding.

INTERFERENCE MANAGEMENT SYSTEM

An IMS works alongside KP, allowing WASSP to function correctly on fishing vessels with multiple acoustic equipment where interference is a problem.

RTK TIDES

Get automatic tidal corrections from RTK height (Real-Time Kinematic). Useful for survey and applications where a vessel's draft changes due to loading.

XYZ DATA EXPORT

Takes recorded WMBF files and converts these to XYZ output. Ideal for quick survey and sharing of data.

GENERIC SENSOR FORMAT (GSF)

GSF has become a standard file format for bathymetry data and is widely used in the maritime community. This single-file format is one of the U.S. Department of Defense Bathymetric Library (DoDBL) processing formats. There are many software packages that support GSF, including WASSP.

SURVEY LICENSE

Survey License includes an uncorrected data format that is required for interfacing to third party software such as EVIA, HYPACK, Foreshore Technology 'Dredge Master', QINSy, Beamworx and WASSP Data Manager GSF output.

CDX **NEW!**

WASSP Generation 3 introduces a new simplified WASSP CDX for control, visualisation and data management, while still providing a comprehensive set of functions to meet the most demanding fishing requirements.

TIMEZERO AND GD700

TIMEZERO provides a direct connection to TIMEZERO Pro. No WASSP computer is required. It gives you full control, with a complete view of the water column.

OLEX

Olex license enables the live export of Bathy and Backscatter data to Olex software. WASSP needs to be controlled by the CDX.

ECHOVIEW **NEW!**

Echoview license enables the live export of Bathy and Backscatter data to Echoview software. WASSP needs to be controlled by the CDX.

WIRELESS LICENCE **NEW!**

For use with single Mothership and single Tender. Facilitates the link from Tender to Mothership for use with CDX or TIMEZERO. This includes 'Store and Go', where data is stored for up to 24-hours when vessels are out of WiFi range. Update commences as soon as vessels are back in WiFi range.

WIRELESS LICENCE ADDITIONAL VESSEL **NEW!**

Used in conjunction with the Wireless Licence for an additional Tender or Mothership, so separate WASSP feeds from more than one Tender can be combined to map even more of the seafloor in less time.



ALWAYS GOING BEYOND

WASSP is part of the ENL Group. With more than 74 years' experience, we're world leaders in marine sounder, radar and communications.

Based in the marine nation of New Zealand, which has one of the world's largest marine economic zones, ENL invests heavily in R&D to constantly push the boundaries. We develop software and hardware solutions for seabed surveying and mapping, defence, superyachts, commercial fishing and workboats.

Our passion and commitment to real innovation is what sets us apart. We consistently bring game-changing technology to market, with cost-effective products that are easy to operate to make your life at sea easier.



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