

REMUS Demonstrates Operational Flexibility

REMUS 100 Deployed from Unmanned Aerial Vehicle



In an event hosted in the Royal Navy aircraft carrier HMS Prince of Wales, the Future Maritime Aviation Force Accelerator Day brought together experts from the Navy, Ministry of Defence (MoD) and industry to meet and discuss the vision for drone operations.

In one demonstration a REMUS 100 Unmanned Underwater Vehicle (UUV) was launched from a large Unmanned Aerial Vehicle (UAV) drone. Several successful REMUS launches were completed with no issues experienced during the trials. The demonstration showed that the large UAV was more than capable of deploying a REMUS R100 or R300, with a range of about 100km.

For concepts that require over-the horizon prosecution of targets such as long-range MCM search, this concept can provide the capability to get the high-performance REMUS 100 UUV into the area of operations quickly and effectively.



[Royal Navy and REMUS Accelerates Adoption of Unmanned Systems](#)

Enhancing Australia's Port and Harbour Security

Unmanned Surface Vehicles Beyond Human Performance

Australia's ports are the critical nodes for exports and imports moved across the oceans. With a coastline of over 59,000 kilometres, an exclusive economic zone of over eight million square kilometres, and other maritime interests to support throughout the region, there is a limit to the resources available to ensure the safety of Australia's ports and harbours. It may be time to leverage emerging commercial-off-the-shelf technology such as Unmanned Surface Vehicles (USV) to take on the lion's share of this vital security role.

The Port of Los Angeles has explored the possibility of using USVs to enhance the security of the port. Port officials invited Maritime Tactical Systems Inc. (MARTAC) to visit and demonstrate the capabilities of their MANTAS USV. MANTAS is a high-performance, commercial off-the-shelf USV built on a catamaran-style hull, and comes in a number of variants ranging in size from 1.8 to 15 metres. A demonstration was conducted using a 1.8m (12 foot) MANTAS. The MANTAS (otherwise known as the T12) can be equipped with a wide variety of above-surface sensors (EO/IR/thermal video) and below-surface sensors (sonars and echo-sounders), as well as other devices such as chem/bio/nuclear sensors, water quality monitors, and above/below surface environmental sensors.



[Unmanned Surface Vehicles for Enhanced Port and Harbour Security Accelerating Innovation in Unmanned Surface Vehicles](#)

Shark Tags Get ClearSignal® Treatment

Quality Antifouling for 10-year Tag Life



The NSW Government's shark tagging program is now estimated to be the largest in the world. The shark tags are fixed to juvenile sharks and operate for ten years – hence the need for a product like ClearSignal®.

ClearSignal® is a clear non-toxic rubber-like coating that resists biofouling as a result of the non-stick properties of the coating itself. ClearSignal® utilises advanced material technologies to achieve its properties and performance. The product is a permanent coating that is designed to last the life of the platform or instrument it is protecting. Unlike anti-fouling systems that rely on active biocides and whose effectiveness degrades with time, ClearSignal remains 100% effective for the intended life of the instrument. ClearSignal is optically clear – compatible with optical transducers, instrument housings retain all instruments markings and identification features.

[ClearSignal® Antifouling Coating for Lifetime Biofouling Prevention](#)

BlueZone Support in the West

Restructuring for Defence Remote and Autonomous Systems Support

BlueZone is pivoting to meet the needs of Navy on the west coast following the announcement of the Remote and Autonomous Systems (RAS) Strategy to 2040. As an experienced and capable Defence SME, BlueZone has over 20 years' experience in support of RAS. The east and west coast facilities maintained by BlueZone enable local support for Navy systems on both coasts.

For the immediate future our workshop facility at Bibra Lake will be closed for non-Defence work. BlueZone will continue to support and service equipment that we sell and will maintain the capability to manufacture custom cable assemblies and complete subsea moulding work.

We appreciate your understanding of any delays in our RFQ responses during this transition.

If you have any questions in this regard, please contact Mark Musarra in our Perth office.



[RAS including Saab Double Eagle, Hydroid REMUS and MARTAC MANTAS supported in Australia by BlueZone Group](#)

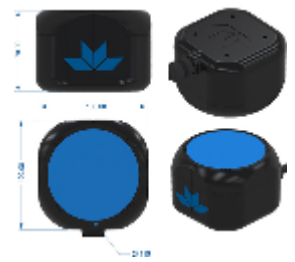
New Products & Services

Wayfinder DVL

Precise Performance in a Pocket-sized Package

Teledyne RD Instruments has announced the launch of the new highly anticipated Wayfinder Doppler Velocity Log (DVL).

The Wayfinder has been designed to provide Doppler navigation capability for micro vehicles, which are often constrained by stringent size, weight and budget limitations.



Measuring just 10 x 10 x 7 cm and weighing in at 850g, Teledyne RDI's new Wayfinder is ideally suited to address the needs of increasingly smaller subsea vehicles.

The Wayfinder DVL provides precision performance in a pocket sized package that makes it ideal for integration into micro ROVs and UUVs.

Performance matters: Wayfinder has demonstrated superior data quality compared with DVLs of similar size in in-water tests. Don't risk your mission's success to inferior solutions.

Key Features:

- Pocket-Sized Packaging
- Affordable
- Proven Reliability
- Easy to Integrate and Operate

[Precise Performance in a Pocket-sized Package](#)
[Top Five Reasons Why You Need a Teledyne RD Instruments Wayfinder Doppler Velocity Log](#)

ArtemisPRO

The Artemis range of diver handheld sonar and navigation systems is a range of submersible consoles combined with a multibeam sonar, DVL and GPS navigation options designed for use by naval mine clearance divers, combat swimmers, commercial divers, police and search and recovery (SAR) divers.

The Artemis series is a family of handheld diver navigation systems with varying specifications and functionality. The PRO is the most capable, but if a DVL is not required, the ArtemisHHS (Handheld Sonar) is still a highly capable but a more cost-effective option. Other options include the ArtemisSAR with navigation and sonar and the ArtemisLite for navigation without sonar - further cost reductions tailored to meet a reduced capability specification.



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