

Early Adopter Program for MANTAS T24 Unmanned Surface Vehicle

Revolutionary Unmanned Surface Vehicle (USV)



BlueZone group partner, MARTAC Systems, has announced an Early Adopter Program for the revolutionary MANTAS T24 Unmanned Surface Vehicle (USV). The MANTAS T24 forms one component of the MARTAC large USV range which includes the T24 Harbour Class, T38 Fleet Class and T50 Medium Class.

The MANTAS USV design features a catamaran hull/deck construction using special weave carbon fibre or fiberglass material depending on mission requirements. Hulls can be infused with Kevlar for ballistic resistance and are constructed around tailored high-density foam cores throughout the vessel, providing an “unsinkable” flotation capability. Unique “Gator” and “Tail Gator” modes enable covert submergence operations or avoidance of detection.

Versatile engine and component mounting rail systems provide multi-role operations while a telescoping superstructure arch allows for storage and transportation.

[MANTAS T24 Unmanned Surface Vehicle Early Adopter Program](#)

Saab Seaeye Sea Wasp to be Delivered to the Dutch Navy

Small and flexible ROV for a wide range of underwater operations

BlueZone group partner, Saab Seaeye, has received an order from the Defence Material Organisation (DMO), within the Ministry of Defence of the Netherlands for deliveries of the Sea Wasp underwater vehicle system.

With a base weight of only 75kg, Sea Wasp is a small and flexible remotely operated vehicle (ROV) which can be used for a wide range of underwater operations, both within the commercial and military sectors.



Sea Wasp can, for example, be used for sea mine detection and other reconnaissance operations.

[Netherlands Becomes First European Customer for Sea Wasp](#)

DIN Pilot Projects - Call for Proposals - Mine Countermeasures

New types of analysis to detect features of buried mines



BlueZone is pleased to participate in the NSW Defence Innovation Network (DIN) through initiation of a research project in the maritime Mine Countermeasures field.

The DIN offers up to \$200,000 of funding to support collaboration between NSW universities, industry and Defence. The key objective of the DIN Pilot Projects is to conduct a rapid feasibility study on new ideas for Defence

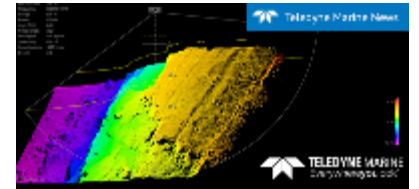
and to develop these ideas into concepts or technology that can attract further investment from government or industry.

Additional applications may be submitted to info@defenceinnovationnetwork.com by 6th June 2020.

[DIN Pilot Project Grants 2020-21: Call for proposals](#)

New Features to the Teledyne RESON SeaBat T-Series Free of charge updates easily applied with easy-to-use SeaBatUpdater

Teledyne Marine has announced several new features for the world leading multibeam echosounders the SeaBat T20 and SeaBat T50 - the free of charge SeaBat v2.0 update and now the ability to purchase for your T20 the unique Normalised Backscatter. The SeaBat v2.0 update is applied to your SeaBat by an easy-to-use SeaBatUpdater, so you can easily update your existing SeaBat T-series hardware with these valuable features.



The SeaBat T-series v.2.0 update launches 1024 beams and Sonar UI visualisation enhancements at no extra cost, and now has availability for you to acquire Normalised Backscatter for your SeaBat T20.

With the new v2.0 update Teledyne Marine now introduces 1024 true beams, as well as always having 1024 Soundings, for all single head SeaBat T-series products. The increase from 512 to 1024 beams gives you improved target detection capability and discrimination due to the extremely high data density, leading to more precise surveys and shorter survey time.

[New features for SeaBat T20 and SeaBat T50](#)

Navy called in after snorkeller confuses sea urchins for deadly underwater mines

This incident which occurred in Sydney Harbour may be funny; however, it does illustrate the massive waste of resources and risk to people when our first responders are not adequately equipped.

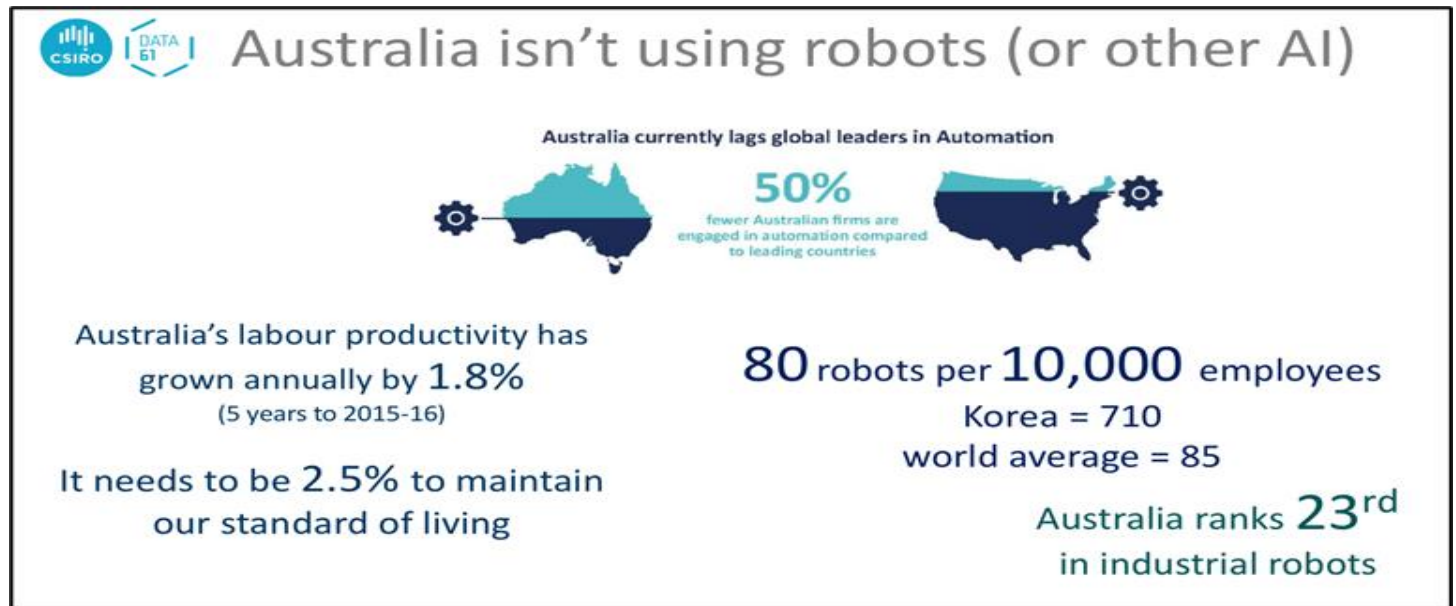
As reported, Navy specialist divers were not immediately available and so Water Police had to “babysit” the urchins overnight and establish a maritime exclusion zone. Water Police equipped with modern Remotely Operated Vehicle (ROV) equipment could have easily inspected the site with no risk to divers and no need for an overnight “babysit” operation.

A simple seafloor inspection can be easily complete with access to modern and powerful lightweight ROV systems. Just like drone technology is replacing the need for people to work at heights for routine visual inspection, ROV technology can replace the need for people to work at depth and enable faster and more frequent inspection operations.

Australia’s uptake of robots in industry and operations lags the rest of the world. Australia’s maritime claims and interests are large and widespread from the tropics to the Southern Ocean, with some of the most severe

conditions for operations. Maritime robotics makes sense for ongoing surveillance and management of these assets and must become our “go to” method for seafloor inspection.

[Read More](#)



New Products & Services

REMUS Sea Launcher

Hydroid's 'Sea Launcher' launch-and-recovery system (LARS) is designed to enable navies' use of Unmanned Underwater Vehicles (UUVs) at sea. Designed for smaller surface vessels, the system presents opportunities to increase integration between USVs and UUVs.

[REMUS Sea Launcher](#)



REMUS Sea Launcher

Deployment & Retrieval System

- Autonomous Launch & Recovery of REMUS 600 UUVs from Vessels with Low Freeboard
- UUV Homing & Capture Below the Surface
- Light Weight, Low Logistics & Small Footprint
- Improves Safety of Operations & Asset

Designed & Manufactured By:



Hydroid is now a part of Huntington Ingalls Industries, bringing together the full range of UUVs.

To learn more, visit:

www.HYDROID.com
www.tsd.huntingtoningalls.com

Australian Representation:



www.bluezonegroup.com.au



Certified Casings for Mobile Phones and Tablets for Hazardous Environments

BlueZone is pleased to introduce Xciel products to the Australian market to provide solutions for Zone 1 (Explosion Proof) and Zone 2 (Non-Sparking) deployment of off-the-shelf iOS, Android and Microsoft products. Xciel ingenuity

in engineering design has resulted in the following world-first patented solutions:

- C1D2/ Zone2 intrinsically safe iPhone
- C1D2/ Zone2 intrinsically safe iPad
- ATEX Zone1/ IECEx explosion proof iPad Mini
- ATEX Zone1/IECEX Explosion proof iPhone

Xciel's solutions provide simplicity and efficiency to enable your devices to be used at the office and also in a hazardous environment. IT departments can mandate preferred corporate operating systems, ERP systems, applications and carrier operator for standard commercial devices that are used in Zone 1 and Zone 2 applications.

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