

## UVS Pty Ltd - Change of Trading Name to BlueZone Group

From the 1st January 2020, the UVS brand will be retired and we will operate as BlueZone Group. All purchase orders and invoices will be issued with BlueZone Group branding. Our bank details and registered company details unchanged as follows:

Australian Company Number: 150 810 898

Australian Business Number: 97 150 810 898

For our customers: Please note that our quotations will be issued as BlueZone Group. Please direct all payments to: BlueZone Group A.C.N. 150 810 898. Please advise your Accounts Payable department

For our suppliers: Please ensure that all invoices are issued to: BlueZone Group A.C.N. 150 810 898 to enable prompt payment. Please advise your Accounts Receivable department.

At BlueZone Group we will continue our strong focus on customers Australia-wide, providing excellence in sales and service for our underwater technology products. Please contact us if you have any questions at all about our planned changes.

## REMUS Automated Target Recognition Trial at Jervis Bay

### *An Important Step in Trusted Autonomy*

Trials at 'Summerfest 2019' at Jervis Bay demonstrated the feasibility of transmitting images of contacts detected automatically by REMUS Unmanned Underwater Vehicle (UUV) to a remote operations centre. This is potentially an important step in achieving trusted autonomy. An Unmanned Surface Vessel (USV) was tasked as a 'Communications Gateway' relaying information and data between a Defence Science and Technology Group (DST Group) REMUS UUV in the minefield and a manned vessel, standing off at a safe distance. The Automated Target Recognition (ATR) system on the REMUS UUV was able to report positions of mine contacts immediately via the acoustic relay to the USV, and then this data was relayed to back to the operations centre.



[REMUS Automated Target Recognition Trial](#)

## Minehunting Ships Remain Essential

*Shock hardened ships for low-risk way to minefield prosecution*



Russia joins Italy and Germany who have also determined to renew their minehunting ship force. The Italian Navy Strategic Plan includes twelve minehunter ships – four ocean-going and eight coastal. The Fast Oceanic Minehunter, with a displacement of 1400 tonnes and a length of 80 m, includes a hull in non-magnetic composite material. The ship will be able to accommodate one USV (Unmanned Surface Vehicle) of large size, which will use a stern slide for launch, and two USV of medium size, plus six AUV (Autonomous Underwater Vehicle) and up to 40 counter-mining charges.

[Minehunter joins the permanent force of the Russian Navy in the Mediterranean](#)

## MANTAS USV at TMTW

### *Modular and Scalable Design for Rapid Payload Conversion*

The Marine Tactical Systems (MANTAS) Unmanned Surface Vehicle (USV) was a star performer at the Teledyne Marine Technology Workshop (TMTW) in San Diego. At TMTW the MANTAS USV was launched and demonstrated its high-speed and ease of control in manoeuvres on Mission Bay. Setup and configuration of the robust USV was minimal. All equipment inside the free-flooding hull is fully sealed making for ease of operation.



[MANTAS USV catamaran hull design for stability and superior manoeuvrability at high speeds](#)

## ClearSignal® Coating for Biofouling Prevention in Offshore Oil & Gas

### *Toughness and Adhesion to the Substrate Enables Robust Cleaning*



The ClearSignal® toughness and adhesion to the substrate is far superior to any other foul release coating and this enables ClearSignal® to be cleaned regularly and in a robust manner. This was a key design parameter for ClearSignal®. Robust cleaning is essential for long term applications such as for subsea instruments and equipment used in Offshore Oil & Gas applications where periodic Inspection, Maintenance and Repair (IMR) activities are achieved using Remotely Operated Vehicles.

[ClearSignal® designed for robust cleaning during periodic Inspection, Maintenance and Repair \(IMR\) activities](#)

## Teledyne Marine Announces 2020 Academic Product Grant

### *Leading-edge technology the next generation of technologists and explorers*



BlueZone is pleased to support Teledyne Marine in their offer to the next generation of technologists and explorers for the opportunity to utilise their leading-edge technology for planned 2020 programs free of charge via their 2020 Academic Product Grant.

[Teledyne Marine 2020 Academic Product Grant](#)

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## Events

Please join BlueZone Group at these upcoming events!

We are keen to talk to you about how innovative new technologies offered by BlueZone can solve issues for your challenges in Australia's oceans, coastal seas, and rivers.

We are happy to answer your questions and arrange on-site demonstrations and further discussion if required.

### Teledyne Marine Asia Technology Day – 18 to 19 February – George Town, Penang Island, Malaysia



Teledyne have announced that due to the outbreak of the Coronavirus in China, and its subsequent spread overseas, it is with regret that the planned Teledyne Marine Tech Days due to be held in Penang, Malaysia 18-19th February has been postponed to a later date.

The event has been sold out with participants from 15 countries attending, so it is hoped that the event can be held at the same location later this year. A new invitation to all the original registered attendees will be issued as soon as the situation becomes clearer.

Safety of our customers and staff is paramount for BlueZone and Teledyne. Thank you for your understanding.

[Teledyne Marine Asia Technology Day 2020](#)

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## New Products & Services



## Lithium Battery Pack for Workhorse ADCP

Workhorse Lithium Battery Packs triple the duration of your ADCP deployments, compared with RDI standard alkaline batteries. The Battery Packs can be used in Workhorse Sentinel, Workhorse Long Ranger and Workhorse Quartermaster units. The packs can be used interchangeably in any of these instruments.

The packs are too large to fit inside the Long Ranger battery holders, but they can be installed directly inside the case without the holders. All you need to add is a plate on the end to hold them in place. This works well because the lithium battery packs are light. They are only 60% of the weight of an alkaline pack.

BlueZone is importing lithium battery packs for stock and immediate distribution with expected availability in January 2020.

[Lithium Battery Packs for Extended ADCP Duration](#)

## RJE International ULB-362 Series Beacon Update

*Direct replacement battery increases operational life*

Due to supply chain issues with the battery used on the ULB-362 series 'B' beacon, the B362-B30-01 battery kit is no longer available.

RJE International was able to source a new battery that not only is a direct replacement to the B362-B30-01 but increases the operational life of the ULB-362 beacon. This new battery will allow the ULB-362 series beacon to be deployed for up to 90 days. That is three times the battery life of the older battery, plus it will work with the ULB-362 'B' series beacon and also increase the operational life.

There has been a slight cost increase for both the beacon and new replacement battery kit, but that is negated by the extended deployment time the new battery provides.



[ULB-362C compact, cost-effective, full ocean depth underwater locator beacon](#)



## Diver/Asset Recovery System (DARS)

*Easily relocate subsea assets and other divers during search and recovery mission*

The Diver/Asset Recovery System (DARS) allows Public Safety Divers (PSD) to easily relocate subsea assets and other divers during search and recovery missions in the poorest conditions. The DARS system is very cost effective insurance to significantly improve the safety of all diver operations.

The DARS system consists of one or more underwater acoustic pingers, which are attached to the diver or asset, like a ROV or side-scan sonar, during search operations. Using both audio and visual indication, a standby-diver can locate a lost diver or asset with a pinger attached within minutes in the poorest diving conditions with very little training.

[Diver/Asset Recovery System \(DARS\)](#)

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