

## UnderCurrents

December 2019 Issue 74

## 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 with 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.

## Take a Break over Christmas!

Don't be like this guy – take a break over the holiday period! From all the team at BlueZone Group, we would like to wish all of our customers and suppliers a very Merry Christmas and a Happy New Year!

Our crew has enjoyed supporting your work in Australia's deep oceans, coastal seas, rivers and water infrastructure in 2019. We look forward to working with you in 2020 to stay Ahead of the Tide<sup>™</sup> in all areas of science, business and industry.



Christmas & New Year Shutdown - Newcastle, Melbourne & Perth

Last working day: Friday 20 December

All offices re-open: Monday 6 January

Subs in Schools Success – Coast-to-Coast



BlueZone is pleased to congratulate our Subs in Schools sponsored teams for outstanding results in the Australian National Finals in Adelaide - a second place for Team Nova (St Philip's Christian College, Newcastle NSW) and third place for Team Orca (Newton Moore Senior High School, Bunbury WA)!

BlueZone is very pleased to be able to continue to support the Subs in Schools initiative. Preparing students of the future for a career in Science, Technology, Engineering and Maths (STEM) is incredibly important for the future wealth and productivity of our nation. We live in an age of technology and many future jobs will result from an understanding and knowledge of technology-driven opportunities. At BlueZone we offer exciting careers from coast-to-coast in maritime robotics and unmanned systems for applications including Defence, Offshore Oil & Gas and Oceanographic Science.

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## Devil in the Detail for Accelerating Autonomy

The ASPI Report <u>Accelerating Autonomy</u> notes the Government announcement made during the 2019 federal election campaign that instead of conducting an expensive upgrade of its manned minehunting ships, Defence will move more quickly to replace them with autonomous systems. The report judges this as a this is a significant development, as it's the first time that Defence will be entirely dependent on autonomous systems for a capability previously provided by manned platforms.

A prominent and contrasting school of thought is that autonomous systems capabilities that rely on operation from "outside of the minefield" are surely doomed to failure. If sea mines will be deployed and denied, what adversary will advertise the extent of their minefields? Even with perfect knowledge of a minefield location, the risk of personnel in small boats manoeuvring in minefields due to weather, equipment failure or communications problems is high. Shock hardened, low magnetic signature and acoustically quiet minehunter ships are the only low-risk way to prosecute minefields in all weather conditions. The idea that mines can be destroyed using low-cost weapons from craft of opportunity is arguably putting personnel straight back into the minefield with no protection. An uncomfortable devil in the detail that is being lost in the race for the aspiration of autonomy in mine warfare.





## Read More

## **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



Join BlueZone staff for two days of presentations, live demonstrations and networking. Internal and external speakers will introduce the Teledyne Marine product range and highlight some of the most interesting applications. The second day is dedicated to live demonstrations. Teledyne Marine will showcase a range of their newest and most popular products on-water and at the dockside. During the two days, you will have the opportunity to network and share with our team and your industry peers.

## Teledyne Marine Asia Technology Day 2020

## **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. 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

#### Safe-Moor™

#### Affordable, Reliable, Durable Conservation Moorings

Safe-Moor<sup>™</sup> provides advanced mooring technology to protect the environment with the advantage of a smaller watch circle and mooring versatility for water depth and load bearing.

Reduce habitat destruction while using a durable, reliable and affordable mooring. Safe-Moor™ is an ecologically friendly conservation mooring solution, with the strength and safety for all mooring scenarios



FIGURE 2 Soft Mean No Security

Unlike conventional chain moorings, Safe-Moor™ eliminates habitat destruction and scouring, encouraging the restoration of endangered seagrass and coral reefs. Safe-Moor<sup>™</sup> also provides the strongest and most secure mooring solution for your vessel.

#### Safe-Moor

### Newcastle

## Melbourne

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