

## Teledyne OceanScience Z-Boat 1250 Promotion

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BlueZone Group is pleased to announce the launch of the newest Teledyne OceanScience Z-Boat in their family of Remotely Operated Surface Vehicles, the Z-Boat 1250.

Teledyne has announced a special promotion through the end of November for customers who see a great fit for this technology with their applications. Teledyne OceanScience is offering a 5% discount off all purchase orders received before the end of November\*. As an added incentive to fully outfit your Z-Boat 1250 capability, OceanScience are also offering an additional \$750 credit toward spare parts and training for purchase orders submitted before the end of October\*. \*Both promotions require that customers take delivery before the end of 2017.

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## REMUS 100 New Generation – High Altitude Bottom-Lock

At the Teledyne Marine Technology Workshop in San Diego, Nick Beaulieu of Hydroid provided a comprehensive description of the integration of the new Teledyne RDI Pioneer 300kHz Phased Array Doppler Velocity Log (DVL) into the New Generation REMUS 100 Autonomous Underwater Vehicle.

The Pioneer DVL ushers in a new era in DVL technology with the introduction of 600kHz and 300kHz phased arrays. The integration of the Pioneer DVL provides a powerful new capability for the REMUS through implementation of a significantly increased bottom lock capability from 35 to 200 metres.



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## Autonomous technology helps scientists put eyes on Great Barrier Reef



The Australian Institute of Marine Science (AIMS) in partnership with Boeing, has demonstrated how a high-tech autonomous ocean vehicle can improve monitoring of the Great Barrier Reef and coastal waters.

A recent seven-day trial saw the vehicle cover 200 nautical miles of the central Great Barrier Reef, in what is the first major milestone of a five-year

joint research agreement between AIMS and the world's largest aerospace company.

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## Falcon Training for CSIRO in Hobart

Seaeye Falcon Training for CSIRO staff has successfully been completed on-site at the CSIRO facility in Hobart, Tasmania.

BlueZone Workshop Manager, Paul "Monty" Montgomery travelled to Hobart to conduct a week of training including theory and practical sessions. Monty said that the dockside facilities in Hobart were perfect for a training location and he adapted the course so that there was an emphasis on "hands-on" practical training for the CSIRO students. "The students were all very keen for practical experience," said Monty, "and for many people this is the best way to learn and we are very happy to support Falcon training in this way."



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## HunterNet member in focus - BlueZone Group



BlueZone Group is proud to be a member of HunterNet, widely recognised within Australian manufacturing and academia as the most successful industry 'cluster' of its type nationally.

Incorporated in 1992, HunterNet is a network of manufacturing, engineering and specialist services companies located in the Hunter and Central Coast Regions of NSW. Formed as a non-trading, not for profit Co-Operative, it involves over 200 companies, active in national and international infrastructure & asset management, energy & resources, defence and advanced manufacturing supply chains.

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## Events

### Teledyne Marine Technology Workshop 2017



The largest ever delegation from the BlueZone Group travelled across the Pacific in October for the 2017 Teledyne Marine Technology Workshop held in San Diego.

A highlight of the demonstration program was the autonomous deployment of a SeaBotix vLBV ROV from a WAM-V Unmanned Surface Vehicle. The demonstration showed how subsea inspection could be quickly and safely performed using autonomous technology launched from a larger ship, allowing the ship to continue on task while the inspection was conducted from the WAM-V.

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## New Products & Services

### ZB01 Custom Charger Case

The ZB01 Custom Charger Case provides a fast and effective way to charge multiple Z-Boat batteries from one easy to manage Pelican Case. The ZB01 includes eight charging circuits enabling simultaneous charge of up to eight batteries.

A key feature of the ZB01 Custom Charger Case is an auxiliary 24V output that simplifies operating the Z-Boat in the workshop by providing continuous 24V power to the Z-Boat and payload sensors. Many payload sensors can be power hungry, and extensive setup and fault-finding work can drain batteries quickly. The ZB01 Custom Charger Case enables easy long-term powering of the Z-Boat for trouble free mobilisation and preparation for survey and Z-Boat operation.



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### SeaVent™ Pressure Relief Valves

Many Subsea Electronic Modules require a Pressure Relief Valve to relieve internal pressure due to internal off-gassing. DeepSea Power & Light SeaVent™ pressure relief valves meet critical subsea specifications for a variety of applications. SeaVent™ universal pressure relief valves can be used on instrument housings, battery packs, and other applications requiring venting.

Key features include:

- Multiple material options
- Adjustable cracking pressure
- 6,000 m or 11,000 m depth rated
- Vacuum and fill attachments available



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