

Reducing ROV Operating Costs



At Australian Oil & Gas in Perth in March BlueZone Group Project Engineer, Simon Knitter, presented on the Focal 928-OMS Optical Monitoring System (OMS).

The Focal [928-OMS Optical Monitoring System \(OMS\)](#) provides a solution through continuous on-line live monitoring of the optical communication path. Results are presented through a Graphical User Interface that reduces the guesswork when a fault occurs and does not require a high level of training for interpretation. The Focal 928-OMS is installed in a single 19-inch rack unit and provides live monitoring of up to 4 optical channels with no interference to data transmission.

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Aiding AE1 Organisation

BlueZone Group is very pleased to assist Find AE-1 Organisation with collection of oceanographic data through loan of acoustic instruments including a Teledyne RDI Work Horse Sentinel 300 kHz Acoustic Doppler Current Profiler (ADCP). Deployment of the instruments will support understanding of the environment in which AE1 rests. A temperature and salinity measurement package will also be deployed.



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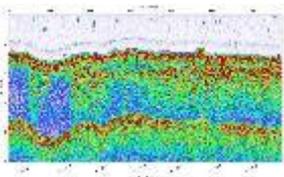
Launch of the General Acoustics SUBPRO 2545 Sub-Bottom Profiler

At Oceanology International in London General Acoustics launched the new SUBPRO 2545 Sub-Bottom Profiler. The SUBPRO 2545 is the only Sub-Bottom Profiler that can be integrated into a small Unmanned Surface Vehicle and the only Sub-Bottom Profiler that can measure from depths starting at 20 cm!

BlueZone GM, Andrew Hazell, said that the SUBPRO 2545 was an example of another capability that could be integrate into the Teledyne OceanScience Z-Boat providing new tools for ocean science, hydrographic survey and other applications.

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Shooting Fish in a Barrel



BlueZone Group congratulates technology partner, SeaView Systems who have been awarded a \$25,000 prize awarded for their submission to the Michigan Department of Natural Resources' Great Lakes Invasive Carp Challenge.

"The solution for The Great Lakes Invasive Carp Challenge was a confluence of our previous experience: weapons systems, acoustic imaging, seismic survey, ROV tunnel inspection and Artificial Intelligence," said Matthew Cook, president of SeaView Systems.

Matthew said that just as research on the Great Barrier Reef has developed an AUV to robotically inject poison into Crown of Thorns starfish, Artificial Intelligence driven ROVs/AUVs to manage other invasive species populations are just around the corner.



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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.

Hydro 18 – 30 October to 2 November – Sydney

The Australasian Hydrographic Society (AHS) is hosting the HYDRO18 Conference and Trade Exhibition (HYDRO18) in Sydney. The Conference and Exhibition, with its theme of 'The Climate for Change – Hydrography in the 21st Century' will allow delegates and the hydrographic profession to consider how best to future utilise the science of hydrography to adapt to climate change, resource sustainability and renewable energy requirements. Hydrography is the key to facing the rising tide of climate change, knowing our oceans and understanding our future.

SIA Biennial Conference – 7 to 8 November - Canberra

The 9th SIA Biennial Conference will be held 7-8 November 2018 with the Opening Reception on Tuesday 6 November at the Canberra Rex Hotel. The theme for the Conference is: Collins Life of Type Extension - Issues and Opportunities.

New Products & Services



Kailani Telemetry Buoy

The "Internet of Things at Sea" is made real by the Kailani Telemetry Buoy for receiving real-time data from your deployed instruments.

The compact sea surface buoy package is just 460mm in diameter and less than 25kg making it ideal for deployment from small boats. Inside the buoy is a battery power supply providing a minimum of 30-days endurance with longer duration possible using on-board solar photo voltaic charging. Computing power in the KTB provides for communication with ocean floor instruments, reception and batching of data and transmission by either satellite or VHF radio link.

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Hydrostatic Pressure Test Chamber Goes West

Due to customer demand, BlueZone has relocated a 2000m rated hydrostatic pressure test chamber from workshops in Melbourne to Bibra Lake in Perth. General Manager Perth, Mark Musarra, said that there had already been a high demand for hydrostatic pressure testing services. "We have completed two customer jobs this week," said Mark, "and are very pleased to have the test chamber in Perth to offer rapid turnaround for our West Australian customers."



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RS-ORCA Porpoise - Single Channel Acoustic Data Recorder

The popular 5 channel RS-ORCA Acoustic Data Recorder is now available as a low-cost single channel variant called the Porpoise. RS Aqua Application Scientist Ryan Mowat said that many customers had requested a single-channel version of the RS-ORCA to support cost effective deployments in situations where multi-channel channel recording is not required.

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