

Join Us at BlueZone Group!

BlueZone Group is hiring, and we are looking for a Technical Sales Manager with strong Project Management skills to join the team at our Newcastle, NSW offices.



Technical Sales Manager (TSM) is an exciting and dynamic role and influences many aspects of the company's business. The TSM will work across multiple markets including Defence, Oceanographic and Hydrographic Survey. The position plays a major role in supporting technical sales and application engineering of BlueZone products to meet our customers' requirements. There is also a strong project management role that supports efficient and effective execution of major projects - in particular for Defence customers.

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Launch of the Kailani Telemetry Buoy

BlueZone Group is pleased to announce the launch of the 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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ClearSignal® - Biofouling Protection for the Life of the Instrument



Hank Lobe, Director of ClearSignal®, has visited Australia for meetings with a number of BlueZone customers who recognise the benefits of permanent biofouling protection for marine instruments. ClearSignal® utilises advanced coating technologies to achieve lifetime biofouling resistance performance. Unlike anti-fouling systems which rely on active biocides and whose effectiveness degrades with time, ClearSignal® Biofouling Protection remains 100% effective for the intended life of the instrument.

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Saab Australia and BlueZone Team to Offer State of The Art Hydrographic Oceanographic Systems for SEA 2400 Phase 1 Hydrographic Data Collection Capability

Saab Australia and BlueZone Group have teamed to offer "state of the art" hydrographic oceanographic systems design to the Commonwealth of Australia under program SEA 2400 Phase 1 Hydrographic Data Collection Capability. BlueZone Group will offer a complete Hydrographic and Oceanographic capability solution to ensure the RAN's ability to undertake strategic maritime geospatial information and environmental data collection credibly, effectively, and safely. BlueZone, as the supplier of hydrographic and oceanographic equipment for the SEA 1770 Rapid Environmental Assessment Programme, is well placed to provide SAAB with subject matter expert advice on the appropriate solutions for SEA 24400.



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Five Years from PacX



More than 5 years have passed since BlueZone supported the recovery of the "Papa Mau" Wave Glider after completion of its historic and record breaking Pacific Crossing. PacX Wave Glider "Papa Mau", completed his 9,000-nautical mile (16,668 kilometres) scientific journey across the Pacific Ocean to set a new world record for the longest distance travelled by an autonomous vehicle. Throughout his journey, Papa Mau navigated along a prescribed route under autonomous control collecting and transmitting unprecedented amounts of high-resolution ocean data never before available over these vast distances or time frames.

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Engineering Interns - East & West Coast

BlueZone Group has been pleased to host engineering interns over the summer university break in our workshops on the East & West Coast. Chief Technology Officer, Darren Burrowes, said that Engineers Australia requires engineers to complete the equivalent of 12 weeks full time engineering experience before being awarded their degrees. "Engineering experience is a key part of an engineering education," said Darren, "and at BlueZone Group we can offer experience in many facets of engineering from embedded software to high power electrical and many other technologies for the harsh subsea environment."



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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.

Australian Oil & Gas, Perth – 14 to 16 March – Stands C4 & C7

BlueZone Group will be attending Australian Oil & Gas in Perth this year in March. Join us at our stands in the exhibition hall.

Oceanology, London – 13 to 15 March

BlueZone Group will be attending Oceanology in London this year in March

Teledyne Marine Users Conference – Australia – 25 to 26 July 2018 –Tweed Heads



ADCPs in Action Updated!

Mark your Calendars with the new date!

ADCPs in Action is back in 2018 in a new format as Teledyne Marine Users Conference – Australia.

BlueZone Group and Teledyne Marine and are pleased to announce the inaugural Teledyne Marine Users Conference – Australia (TMUCA) from Wednesday 25 July and Thursday 26 July at Tweed Heads, NSW, Australia.

Building on the successes of ADCPs in Action in Australia in 2012, 2013 & 2015, TMUCA will be bigger and better than ever before with access to the key Teledyne Marine brands for Australian applications. Beginning as a small collection of unique marine solution providers and expanding to a powerhouse of highly engineered, high performance solutions for a broad range of markets, Teledyne Marine now offers the largest breadth of marine technology in the industry for applications in Australia's oceans, coastal seas, rivers and waterways.

In 2015 ADCPs in Action combined Marine Measurements and Water Resources in parallel streams for the first time. For TMUCA we will build on this format with a full complement of Teledyne Marine technical staff available to conduct comprehensive product training sessions for both Marine Measurements and Water Resources users over two days. The 2018 TMUCA event will be held at our new venue at Tweed Events Twin Towns Clubs & Resorts selected to accommodate both Marine Measurement and Water Resources tracks in style.

In 2018 we will build upon on the successful “niche-exhibition” format with products and services of interest to our delegates on show to view and discuss.

We hope to see many of our past delegates as well as new faces.

See you in Tweed Heads in 2018!

Call for Speakers – Submit by 30 March 2018!

TMUCA 2018 is seeking high-quality presentations on applications for ADCPs and marine instruments in new, interesting, or continuously successful situations including applications in Australia's oceans, coastal seas, rivers and waterways. Presentation times of 20 minutes with 10 minutes for questions will be provided to share your ideas with delegates and contribute to the learning of the industry.

Simply forward your brief abstract to tmuca2018@bzig.com.au and we will contact you regarding acceptance and presentation time.

Please submit your proposal by 30 March 2018 to help us build the TMUCA 2018 program.

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New Products & Services

CAN Bus Communication Protocol for Active Flying Lead Product Family

Teledyne Oil & Gas has added the Controller Area Network (CAN bus) communication protocol to its Active Flying Lead product family. The subsea oil and gas industry has standardised to "fault tolerant" CAN bus communications for sensors and other subsea controls. This variation has a limited transmission distance for single node or sensor systems of only 40 metres. Teledyne has recently qualified three new configurations that extends the range of the CAN bus signal to up to 5,000 meters.

BlueZone Group provides support for Teledyne Electric Flying Leads in Australia with support engineers recently training with Teledyne Oil & Gas at Daytona Beach in Florida. BlueZone GM Offshore Oil & Gas, Mark Musarra, said that developing the capability for EFL maintenance, repair and test in Australia provided an important service for BlueZone customers. "BlueZone and Teledyne Marine recognised the need improve service capability in Australia and we have worked closely together to establish this new service from our Perth workshop," said Mark.

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OceanCAM-IP Camera



OceanTools HAVE recently introduced the OceanCAM-IP range of underwater High Definition Internet Protocol cameras, which capture colour HD (1080p) video in very low light level conditions. The cameras look set to become a big success, with twenty systems shipped in the first month of production. The cameras offer a 4mm lens, fixed zoom and a 120dB wide dynamic range. Video is streamed using the RTSP protocol, with a remote configuration interface.



The compact subsea camera units are available with 1000m or 3000m depth ratings, or as a 100m rated unit for in-air or shallow water use. A single subsea connector supports data and power, with optional Power over Ethernet (PoE) for easy integration. Multiple IP cameras suitably connected underwater can share a common copper or fibre optic uplink to the surface.

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3D Printing - High Quality with Rapid Turnaround



BlueZone Group is building on the high quality and rapid turnaround of our Subsea Cable Moulding Service by offering our customers a similar service for 3D printed parts. Feedback from initial jobs has been very good with customers very pleased with the 3D printed parts. "The parts printed from the Markforged Mark Two were the best I'd ever seen," said one customer, "The parts were more flexible than I had anticipated, but as a positive, well suited to their application."

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Curly Cable Moulding for Harsh Applications

The BlueZone Group Polyurethane Cable Moulding Service <http://www.uvs.com.au/services/polyurethane-moulding-service> is meeting new customer requirements for rugged cables to be used in harsh environments.



General Manager Perth, Mark Musarra, said that "curly cable" had proven ideal for a Defence customer requirement for use in small boats. "The small boat environment is very harsh for all types of equipment," said Mark, "Rugged curly cables are ideal for making connections between radio equipment and other devices that are essential in small boats."

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