blue zone GROUP

UnderCurrents

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What Would a Near-Term, COTS, MCM Solution Look Like?

Moving Forward with Effective—and Timely—MCM

Uncrewed Surface Vehicles (USVs) have the potential to perform the "dull, dirty and dangerous" work previously done by sailors in the hazardous littoral zone. The MANTAS USV was demonstrated during Exercise Valiant Shield, and was tasked with a resupply mission, carrying cargo to troops ashore. As a result of that mission success, US Navy and Marine Corps officials asked the manufacturer (MARTAC) to scale up the MANTAS further and design an 11.5m (38-foot) version, the T38.

MANTAS USV for near-term, COTS, MCM Solution

Wave Glider SV3 v300 Bound for Australia

More Power and Easier, Faster Vehicle Preparation for Larger Fleets

A Wave Glider SV3 v300 Uncrewed Surface Vehicle (USV) is now under construction and bound for a BlueZone customer in Australia.

Since the original Wave Glider SV3 was introduced in 2013, Liquid Robotics has amassed more than five years of lessons learned and all of these lessons, updates and improvements have been incorporated into the latest SV3 v300 Wave Glider.

Improved electrical power and endurance are provided by 23% greater power collection with higher power solar panels and a 40% increase in battery storage capacity. Power is conserved with low power steering and more power-efficient components. Computer power is increased using the Tegra TX1 processor which provides a 6 times increase in computing power with faster boot-up and more stable and responsive operations.

The Wave Glider SV3 v300 supports 30% heavier payloads with larger float interior and no change in external dimensions

Subs in Schools Sails On

Productive Partnership between BlueZone and St Philip's Christian College

BlueZone is again pleased to support a team from St Philip's Christian College for the SUBS in Schools Technology Challenge™. SUBS in Schools Technology Challenge™ is the result of collaboration between Re-Engineering Australia Foundation (REA), the Department of Defence and industry stakeholders including ASC and Saab Australia. The program enables students to explore the complex challenges of maritime engineering and hydrodynamics using coding and electronics as they design and build operational submarines and ROVs.

BlueZone supports SUBS in Schools Technology Challenge™

Teledyne Marine Photo & Data Contest

Share your image. Share your heart

BlueZone is pleased to support Teledyne Marine in their annual photo contest. This year, in conjunction with the annual photo contest, Teledyne Marine will be running a corporate giving campaign in support of Save the Children.

For each image submitted (up to 2 per person), Teledyne Marine will donate $10 USD to Save the Children, as well as an additional $5 if the participant also shares their image on their social channel. COVID-19 has made this a challenging year for all of us, but particularly for children in already under-served areas. Teledyne Marine is pleased to work in concert with you, our customers, and Save the Children to help meet the critical needs of children around the world.

Full details can be found at: http://www.teledynemarine.com/contest

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New Products & Services

FlexiClean Biofouling Cleaning

Biofouling removal tool for smaller ROVs to reduce costs and save time

The electrically-powered FlexiClean Micro reduces the need for using large-scale workclass ROVs (WROVs) and the associated costs of a specialist vessel and additional manpower for biofouling cleaning tasks.

The FlexiClean Micro has a single layer of polyurethane fingers that remove growth more efficiently than many jetting and conventional brush options. The FlexiClean Micro delivers more cost efficient cleaning using less expensive vehicles in challenging environments. The Flexi Clean can do 95% of the cleaning projects in 5% of the time. This has been proven time and again.

FlexiClean Biofouling Cleaning

HardBall® Float Subsea Buoyancy

The Solid Choice

An excellent alternative to glass sphere flotation, DeepWater Buoyancy's Hardball® Floats provide subsea buoyancy for a wide variety of oceanographic applications. Made for the demands of subsea moorings, as well as the rigours of handling on the decks of vessels, HardBall® Floats are built of strong solid materials for years of reliable service.

No need for a protective covering. No need to handle carefully. No need for regular inspection and maintenance. No danger of implosions at depth. Just rugged, versatile subsea buoyancy – The Solid Choice.

Hardball® Floats for reliable subsea buoyancy

Newcastle
+61 2 4964 3500
21 Huntingdale Drive
Thornton, NSW 2322, Australia

Melbourne
+61 3 8720 0300
9 Macquarie Place
Boronia, VIC 3155, Australia

Perth
+61 8 6595 1500
Unit 1, 41 Discovery Drive
Bibra Lake, WA 6163, Australia

www.bluezonegroup.com.au

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