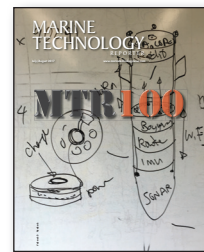


MTR 100

*Marine Technology Reporter's 12th Annual Report on
100 innovative companies in the Subsea Sector*

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July/August 2017 edition of
Marine Technology Reporter -
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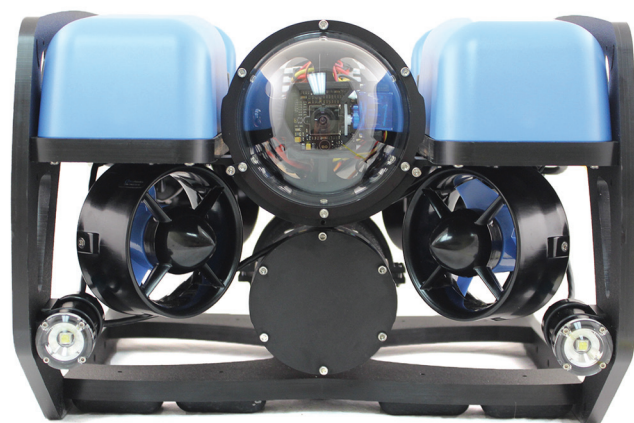
Blue Robotics Inc.

Torrance, CA, USA

<http://www.bluerobotics.com>

In 2014, the idea for Blue Robotics grew out of its own sub-sea component needs while endeavoring to make a solar powered surfboard to cross the Pacific. Its first product, the T100 Thruster, launched that year through a Kickstarter campaign and sparked its mission to design low-cost, high-quality components to make marine robotics more affordable and accessible. Since then, it has grown and its offering includes thrusters, watertight enclosures, buoyancy foam, subsea cables, cable penetrators, lights, sensors, batteries, control system electronics, and its flagship product, the BlueROV2. Blue Robotics' components are used for research, academic projects, prototype development and commercial OEM integration around the world. With new products released on a monthly basis, its product line will continue to expand and support the needs of the marine robotics and subsea industries. The BlueROV2 has been on the market for about one year, and over 400 units are now in use in a wide range of applications from aquaculture to tank inspection to marine biology to archeology.

Blue Robotics' patent-pending thruster design is its most important technology. It uses a unique brushless motor design that is compact, inherently pressure tolerant, and, the company claims, significantly less expensive than comparable thrusters on the market. Of particular note in the last year is the development and ad-



Blue Robotics

vancement of its ArduSub subsea vehicle control software, which is designed around the open-source ArduPilot project, bringing in advanced sensor and navigation features. Recently, we have integrated the system with acoustic positioning devices to provide a moving-map display of ROV position and autonomous position hold and waypoint navigation. New in 2017 is the Blue Robotics "Crushinator," a pressure test vessel with 45.7 cm (18-in.) inner diameter and 76.2 cm (30-in.) inside length. The vessel can simulate depths of up to 1,015 meters (3,330 ft) and has electrical cable penetrations and an internal live camera view to monitor testing.