## Liquid Robotics Introduces Wave Glider SV3

Liquid Robotics has announced the introduction of the Wave Glider SV3, the world's first hybrid wave and solar propelled unmanned ocean robot, during Ocean Business in Southampton, UK. The Wave Glider SV3 incorporates the latest advancements in energy-harvesting technology providing the ability to utilise both wave and solar energy for forward propulsion.

Customers will now have the ability to conduct missions, 24/7, through all weather conditions, across most of the planet to help solve some of the world's critical problems such as global climate change, ocean acidification, fisheries management, hurricane prediction, tsunami warning and exploration for valuable natural resources.

The end-to-end ocean data solution provided by Liquid Robotics' integrated platform provides ocean data collection and processing at the point of collection with real time delivery of critical information to shore. The Wave Glider SV3 can tap into the inexhaustible supply of the planet's wave and solar energy, travel tens of thousands of miles, collect data in the most demanding sea states/conditions (doldrums, high currents, hurricanes/cyclones) and deliver this data in real-time to users around the globe. This capability provides access to new levels of ocean data, more pervasively and more cost effectively than from existing alternatives.

The Wave Glider SV3 leverages the basic design principle of the highly successful Wave Glider SV2 platform, which was introduced in 2009, and has since travelled more than 300,000 nautical miles globally, set a world record for longest distance travelled by an autonomous vehicle (land or sea), and has been deployed on hundreds of customer missions ranging from the Arctic to Australia, and from the Canary Islands to Loch Ness.

Additional technological developments introduced in the Wave Glider SV3 are datacenter@sea, adaptable power and storage providing support for power hungry sensors and the introduction of a new, adaptable operating system designed for intelligent autonomy for fleet operations.

https://www.hydro-international.com/content/news/liquid-robotics-introduces-wave-glider-sv3