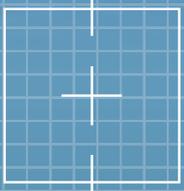




# Fastwave



## Wave Glider® A REVOLUTION IN MARINE DATA ACQUISITION



Fastwave is an authorised Liquid Robotics Channel Partner providing Wave Glider services for:

- Government and Defence applications
- Marine environmental services
- Metocean data services
- Marine and atmospheric research
- Fisheries research and management
- Desalination water quality management
- Aquaculture
- IOC Research Programmes



### WAVE GLIDERS ENABLE SAFE, COST EFFICIENT, TIMELY AND RELIABLE MARINE DATA ACQUISITION

- Autonomous and persistent data acquisition from any ocean location
- Wave and solar powered propulsion and communications enables unlimited mission duration
- Multiple sensor payload capability with real-time data link
- Proven all weather, open ocean deployment capability and reliability
- Remotely controlled and configured mission management system
- Low logistics deployment and recovery



### FASTWAVE PROVIDES CUSTOMISED SENSOR PAYLOADS FOR YOUR APPLICATION

- Marine mammal detection
- Hydrocarbon detection and oil spill tracking
- Dredge plume, outfall and discharge monitoring
- Metocean data acquisition
- Algal bloom tracking and monitoring
- CO2 monitoring
- Persistent maritime surveillance



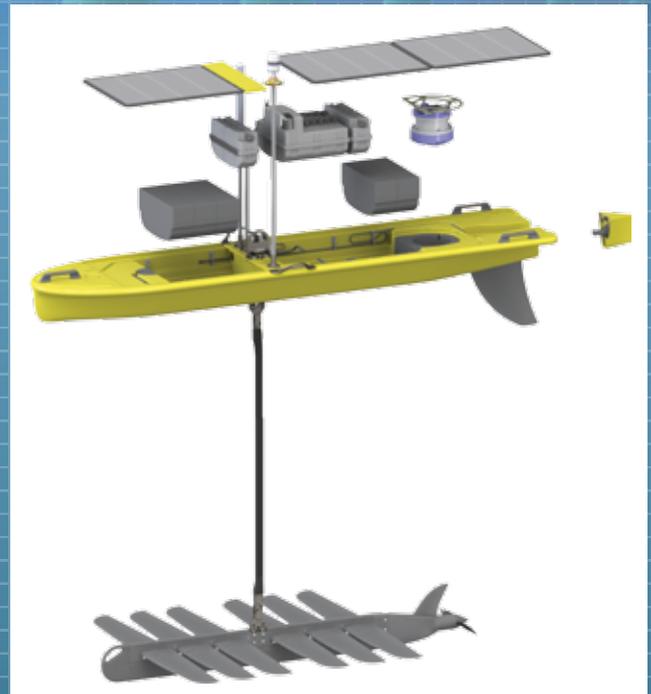
IMAGES COURTESY OF  
LIQUID ROBOTICS INC



## WAVE GLIDER SV3

The Wave Glider SV3 is composed of a surface float and a submerged propulsion system connected via a high-bandwidth, 4.0 meter streamlined umbilical. On the float, there are three solar panels that provide power to the electronics on board and securely cover the forward and aft payload compartments. The payload compartments can accommodate Modular Power Units or Modular Payload Units (MPUs) of different sizes that can be utilized for a variety of payloads and power requirements. The float features a mast deck that can support up to four masts.

The submerged propulsion system has an expansion port for powering and communicating with a single subsea payload. To assist in navigation and marine operations, the Wave Glider SV3 comes with a number of aids: an AIS marine traffic antenna and receiver, a visibility mast with flag and light, a water speed sensor, an independent auxiliary Iridium tracker, an Active Radar Reflector, Weather Station, Wave Height Sensor, and a radio frequency (RF) tracking transponder.



## STANDARD SENSORS

Airmar PB200WX Weather Station	Weather information (air temperature, wind speed & direction, and barometric pressure)
RDI Acoustic Doppler Current Profiler (ADCP)	Measurement of ocean currents at the surface and in bins to the sensor's maximum depth

## OPTIONAL SENSORS

Datawell MOSE-G GPS based directional wave sensor	Wave height, direction, period and spectrum
Sea-Bird GPCTD+DO	Water salinity analysis through collection of conductivity, temperature and density; dissolved oxygen measurement
Wetlabs ECO NTU	Fluorescence and turbidity
DeciMus passive acoustic monitoring system	Marine mammal detection, subsea noise monitoring and maritime surveillance

**Contact Fastwave for more sensor integration options.**



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