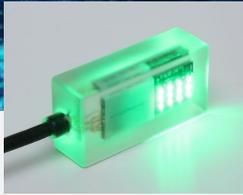




Pioneering Access to the Subsea Environment



Getting high resolution and timely data underwater still remains a challenge today largely because water is not accessible to remote sensing like air and current technologies for measurement and collection of data are largely inefficient, bulky and costly.

After over 10 years of research and development, Hydromeia is emerging as an undisputed leader in providing companies and institutions working underwater with tools and solutions that lead to more informed decisions and make their work safer, cost effective and simply a success.

Hydromeia is focused on liberating the data collection by marrying miniaturized robotics and hardware with sophisticated network algorithms and communication capabilities. And we do it at a fraction of the cost of the current technologies available.

Today our key technology includes a swarm of underwater drones, aka Autonomous Underwater Vehicles (AUV), that work in concert on a mission staying connected, scalable to any swarm size. Each drone is only 70 cm long, can cruise to at least 8 hours on a single charge down to 300 meters of depth. The drones can move freely and even hover over one spot. In order to achieve this Hydromeia developed a unique thruster that it now patented.

To provide for high-speed wireless communication between devices, Hydromeia developed a revolutionary optical modem that works at depths tested to 6'000 meters. It can be plugged into any undersea installation, consumes very little energy and is the size of a card deck.

Applications

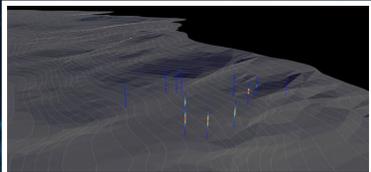
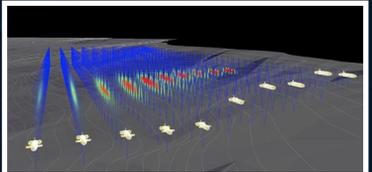
- 3D water column monitoring and analysis (conductivity, temperature, chlorophyll, CDOM, oxygen, pH, turbidity, etc)
- Wireless high-speed data harvesting from the depths of the ocean
- Seismic sensing
- Rapid photogrammetric sea-floor mapping
- Unexploded ordnance detection
- Spill & leak detection
- Spatial & temporal visualization of plumes
- Acoustic monitoring (marine mammal protection)

Markets

- Oil & Gas (exploration, production, decommissioning and maintenance)
- Dredging & civil engineering
- Energy (wind farm installations)
- Water management (potable, fresh & waste water, artificial lakes)
- Compliance surveying and monitoring
- Scientific explorations & measurements
- Port & delta management
- Fisheries & aquaculture
- Tourism (health of reefs/beaches)
- Closed water space analysis & monitoring

Contact Us

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<p>Case Study:</p> <p>Mapping a wastewater plume off the coast at less than 3% of the cost per data point</p>	<p>Traditional Profiling:</p>  <ul style="list-style-type: none"> 1 ship 2 crew 8 hours 12 locations 2'000 samples 	<p>Hydromeia Profiling:</p>  <ul style="list-style-type: none"> 10 robots 1 crew 2 hours 3D map 75'000 samples
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