

It's Time for the Digital Ocean

Digital technologies are transforming the world before our eyes. Everywhere, we're collecting tremendous amounts of data to better understand the world around us and make smarter decisions for its future. Everywhere, that is, except the ocean.

Imagine a networked ocean of sensors, manned and unmanned systems, and satellites above. All connected and available for instant access to data.

Welcome to the Digital Ocean.

The global population will exceed 8.5B by 2030, increasing food demand by 50%.¹

In the Digital Ocean, we can build thriving, sustainable fisheries.

One in five fish brought to market is caught illegally—worth up to \$23.5 billion annually worldwide.³

In the Digital Ocean, we can efficiently crack down on illegal fishing.

90% of global trade is carried by ships, which produce emissions equivalent to 195-billion cars.²

In the Digital Ocean, we can help ships take the most efficient routes, reducing emissions.

Sea levels are expected to rise by over 6 feet this century, putting nearly 1.9 million U.S. homes underwater.⁴

In the Digital Ocean, we can see how our planet is changing—and how well we're responding.

Global submarine spending is expected to double from 2014 to 2024.⁵

In the Digital Ocean, we can instantly detect undersea threats.

Up to 30% of the buoys responsible for transmitting tsunami warnings are inoperable at any given time.⁶

In the Digital Ocean, we can get earlier tsunami warnings and more accurate hurricane forecasts.

At Liquid Robotics, we believe the Digital Ocean is essential to the future of our planet. It's why we built the Wave Glider to provide an essential link between the seafloor and space.

We have the pieces we need today, but we can only bring the full potential of the Digital Ocean to life if we build it together.

www.liquid-robotics.com/DigitalOcean

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1 http://www.un.org/waterforlifedecade/food_security.shtml

2 <https://business.un.org/en/entities/13>

3 <http://www.pewtrusts.org/en/projects/ending-illegal-fishing-project>

4 <http://www.zillow.com/blog/rising-sea-levels-coastal-homes-202268/>

5 <http://www.wsj.com/articles/submarines-resurface-as-growth-business-1430493456>

6 <https://www.technologyreview.com/s/423280/the-reliability-of-tsunami-detection-buoys/>