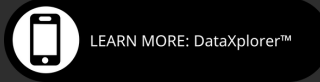




OPENOCEAN

ROBOTICS



WE OFFER BETTER WAYS OF SEEING OUR OCEANS

Open Ocean Robotics offers safer, more affordable, and sustainable ways to collect and manage oceanographic and maritime data. Our autonomous robotic data collection platform and cloud-based software system provide real-time data acquisition with AI driven analytics.

DataXplorer™ is our solar-powered uncrewed surface vehicle (USV) with innovative patented technologies, offering persistent emission-free ocean data acquisition in extreme sea states. Paired with XplorerView™, our cloud-based data management and USV control system, we offer a whole new way to understand and protect our oceans.

GLOBALLY RECOGNIZED FOR INNOVATION, GROWTH POTENTIAL, AND IMPACT WITH THESE PRESTIGIOUS AWARDS AND MORE



Women in Cleantech Finalist

Efficient Solution Label

Leading Growth Tech Company

Most Innovative Companies in Marine

OCEANS: 2019/20

Top 50 to Watch

Canada's Most Promising Startup

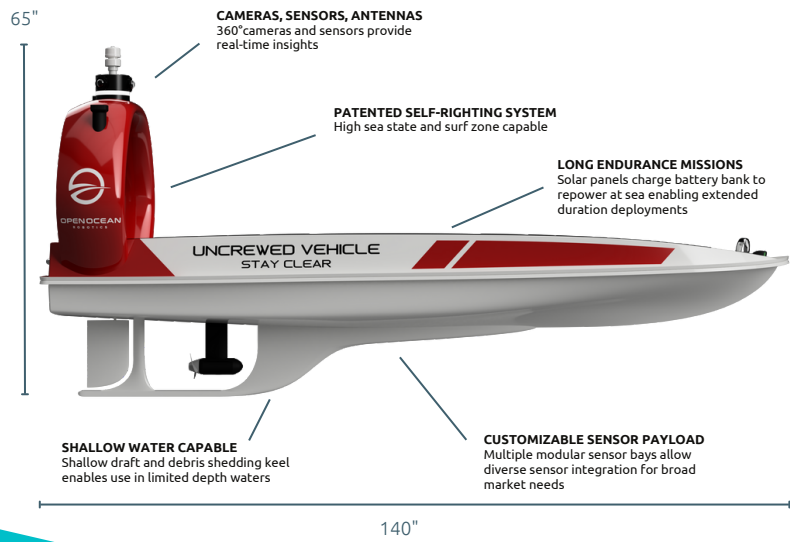
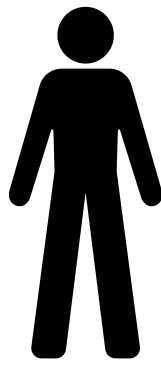
Company of the Year 2021

Foresight 50: Canada's Most Investable Cleantech Ventures

DataXplorer™



**UNCREWED
SOLAR-POWERED
MADE FOR BIG WAVES**



OVER THE HORIZON CONTROL

Satellite, cellular, and radio communications with real-time data streaming optimization

QUIET & LOW PROFILE

Electric motor and drift-mode for optimal data collection and minimal environmental impact

EASY LOGISTICS

Shore or ship deployable, easy trailer or container transport

SENSORS



DataXplorer™

CORE SENSORS

- 360-degree camera AIS transponder
- Wind speed & direction, air temp & pressure
- Water depth, temperature & speed, single beam sonar

APPLICATIONS

- Maritime situational awareness
- Ship detection & monitoring
- Single beam depth mapping
- Weather monitoring



DataXplorer Protect™

ADD-ON SENSORS

- Thermal camera (LWIR)
- Towed passive acoustic array & processing

- Maritime intelligence, surveillance & reconnaissance (ISR)
- Illegal fishing detection and monitoring
- Border security and patrol



DataXplorer Enviro™

ADD-ON SENSORS

- Ocean sensors for temperature, salinity, dissolved oxygen, Chlorophyll A, pCO₂, FDOM, turbidity
- Towed passive acoustic array & processing, multibeam sonar, ADCP

- Marine mammal detection
- Scientific research and ecosystem monitoring
- Seafloor mapping
- Ocean current profiling

LENGTH	3.6m (11.7 feet)
BEAM	0.9m (2.9 feet)
DRAFT	0.5m (1.6 feet)
DRY WEIGHT	140kg (308.7 lbs)
MAX PAYLOAD WEIGHT	60kg (132.3 lbs)
PROPULSION	3 HP equivalent motor
SPEED	Cruising 2 kn, max 6 kn
COMMUNICATIONS	3G/4G/LTE cellular, satellite & radio
HULL MATERIAL	Composite fibreglass
BATTERY CAPACITY	3.5-17.5 kWh
SOLAR POWER	300 W

XplorerView™



**SECURE
REAL-TIME
MADE FOR BIG DATA**



XplorerView™ is our secure cloud-based portal for real-time data viewing, actionable insights, and USV operations. Its easy-to-use interface enables stakeholders to access USV collected data instantly and analyze it with supplemental data feeds to maximize value.

For USV buyers, we offer XplorerView™ Mission Control, our proprietary command and control system to optimize USV operations. With real-time wind, current, and traffic data, and tools to optimize vessel performance, we offer USV operators an easy-to-use command and control system.

OFFERING USV SALES & SERVICES IN:

- ✓ MARITIME DOMAIN AWARENESS
- ✓ RESEARCH & ENVIRONMENTAL MONITORING
- ✓ OFFSHORE ENERGY LIFECYCLE MONITORING

