



Alexandrium fundyense



COMPANY PROFILE

Dartmouth Ocean Technologies is a Dartmouth, Nova Scotia company developing proprietary ocean platforms, micro-fluidic chemical and DNA analytics sensors into innovative commercial products.

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HAB HUNTER™ ENVIRONMENTAL DNA SENSOR

The HAB Hunter™ is an autonomous eDNA sensor configured for the detection of harmful algae in fresh and salt water. Moored in place, towed behind a ship or attached to an AUV, the sensor samples its environment, logging and reporting on the presence of harmful Algae in near real-time and according to a pre-configured mission profile.

The HAB Hunter™ facilitates the early detection and response to Harmful Algal Blooms, enabling decision makers to proactively respond to these threats.

HAB HUNTER™ FEATURES

- Automatic operation according to a pre-configured mission profile
- Enables near-real time, data-informed decision-making via a bi-directional communication interface
- Simultaneously detects multiple species or sub-species of Harmful Algae with each sample
- Reports on detected Harmful Algae within four hours of sampling
- Suitable for long-term, unsupervised deployment
- Rated to 60m operating depth
- Powered by a rechargeable NiCad battery (compatible with external DC power supplies)
- Environmentally friendly micro-fluidic architecture reduces the need for reagents and facilitates storage of waste products for later disposal