



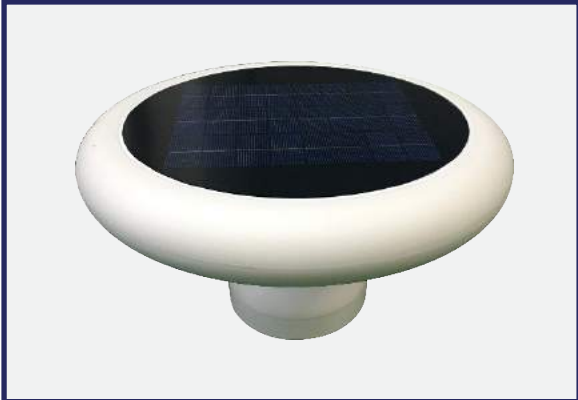
AQUAREALTIME

AlgaeTracker

by AquaRealTime

Cloud networked early detection and monitoring of algal blooms.

A revolutionary new monitoring and detection system providing early warning of harmful algal blooms (HABs). With a low unit cost, AlgaeTrackers can be deployed quickly in multiple locations, from which they immediately stream data to a central dashboard where analytics improve early warning capabilities.



AlgaeTracker

The AlgaeTracker is a floating sensor buoy that measures 7 key water variables and transmits the data to the cloud. It is solar powered, cellular connected, and has self-cleaning sensors that collect data 24/7, updating every 15 minutes. The tracker weighs 10 pounds and can be deployed by non-technical personnel in 30 minutes.

SPECIFICATIONS	BENEFITS
Weight: 10 lbs. (4.5 kg)	<ul style="list-style-type: none"> 75x Lower Entry Cost
Diameter: 13 in. (33 cm)	<ul style="list-style-type: none"> 20x Lighter, 50x Shorter Installation Time
Height: 7 in. (18 cm)	<ul style="list-style-type: none"> Extreme Ease of Use, Instant Access to Data

HabCloud

The HabCloud analyzes the sensor inputs and presents the data in a simple user dashboard accessible from any device. Data are presented in easy-to-interpret charts, permanently backed up, and easily downloaded. Evolving predictive analytics constantly develop more accurate algorithms for predicting blooms. Alerts are sent when data indicate any problems.

Variables Measured

	Range	Resolution
Air Temperature	0–50 °C	0.1 °C
Water Temperature	0–50 °C	0.1 °C
Turbidity	0–1000 NTU	0.1 NTU
Chlorophyll-a	0–400 ug/L or 0–100 RFU	1 ug/L or 0.1 RFU
Phycocyanin	0–280,000 cells/mL or 0–100 RFU	1 cell/mL or 0.1 RFU
Ambient light	0–120,000 Lux	1 Lux
GPS coordinates	All	2.5 meters

**The AlgaeTracker will also measure phycoerythrin starting in 2020*