

## REAL TIME MONITORING & ALGAE REMEDIATION

The SolaRaft-iQDB™ provides a variety of telemetry solutions for remote, real-time monitoring. Convenient, accessible, available when you need it.

- View your water quality data online, anywhere internet is available
- Customizable charts, graphs and units of measure
- Tailor alarms, warnings and parameters to suit your needs
- Reporting made easy with simple download and sharing options

## BENEFITS

With SolaRaft- iQDB™ you can easily access Water Quality Data, such as: Temperature Conductivity Salinity | TDS | pH | ORP | Ammonia | Nitrates Dissolved Oxygen | Turbidity | Chlorophyll-A Blue-Green Algae | and more\*



AFFORDABLE



ACCESSIBLE



EASY



CUSTOMIZABLE

## ABOUT PHOTON WATER

Photon Water is an operating division of the Photon Energy Group, a European listed, global organization specializing in the creation and provision of clean and affordable energy and water. Photon Water delivers intelligent, real-time water quality monitoring and algae control solutions aligned with HBS technology for applications in lakes, dams, and water bodies. We also provide water and wastewater treatment, hazardous liquid waste management, in-situ groundwater, soil, and surface water remediation solutions.



# Photon Water

## SolaRaft-iQDB™ SolaRaft-QDB®

Manufactured by Hydro Bioscience



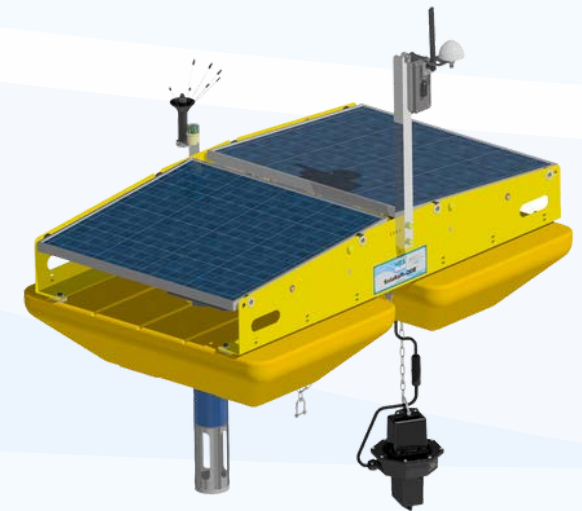
HBS IN HOUSE  
MANUFACTURING



MULTIPLE  
CARRIER OPTIONS



TIMELY,  
ECONOMICAL DELIVERY



## ANYTIME, ANYWHERE

We're so sure you'll love the convenience of our real time monitoring system; we'll give you a 6-month Real-Time Water Analysis Data Monitoring subscription FREE!\*\*\*



The SolaRaft-iQDB™ ships in a standard courier box at approx. 68kg (150lbs), reducing costly delivery fees & freight delays.



# Photon Water

photonwater.com  
info@photonwater.com

## Algae Remediation GPS Telemetry Intelligent Water Quality Monitoring

Putting the "IQ" in Intelligent  
Water Quality Monitoring

\*Probe sold separately; dealer pricing available.

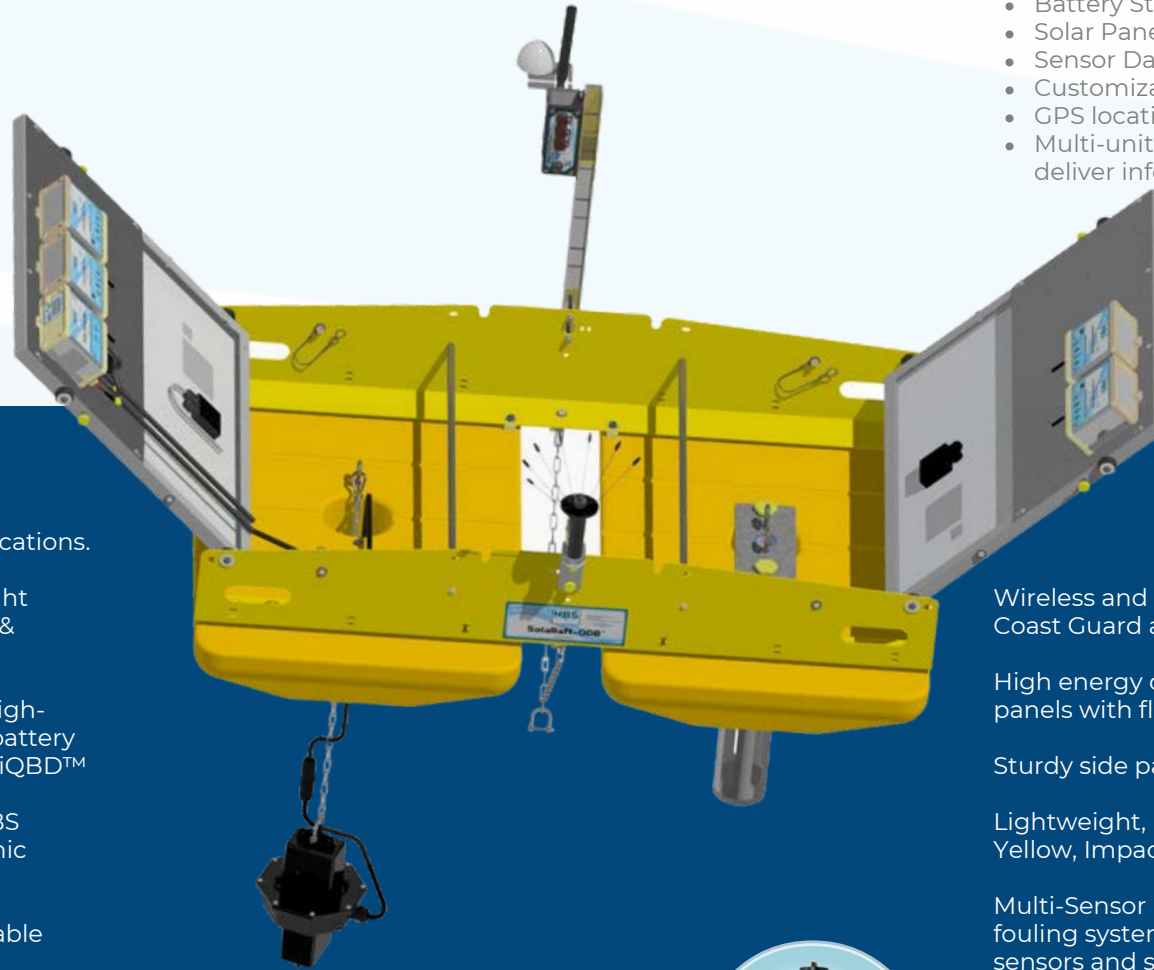
\*\*With system purchase. Mobile data rates may apply.

## SolaRaft-iQDB™

### INTELLIGENT WATER QUALITY MONITORING SYSTEM WITH ULTRASONIC ALGAE CONTROL

- SolaRaft-iQDB™ is buoyancy rated at 108kg (240lbs)
- System and modules designed to IP67/68 protection
- Generates and stores enough energy to power an ultrasonic algae control system

## DEPLOYABLE IN UNDER 10 MIN



## DELIVERED PRE-ASSEMBLED

Cellular & Serial Communications link  
Data broadcast includes:

- Impact/Shock Notification
- Battery Status
- Solar Panel Status
- Sensor Data
- Customizable Alarm Events
- GPS location
- Multi-unit arrays can be programmed to deliver information to a singular cell location

## FEATURES

High efficiency solar controller with intelligent wireless & serial communications.

High Energy Density, ultra-light weight battery with Energy Status indicator & capacity reporting.

Ample energy collection from dual high-wattage solar panels and increased battery storage capacity allows the SolaRaft-iQDB™ to properly power the water quality monitoring system and up to two HBS Mezzo-DB® or Quattro-DB® Ultrasonic Algae Control Transducers.

The Solaraft-QDB® buoy is also available without telemetry or water quality monitoring. Our buoy system is highly configurable for many applications.

Measures:  
Length: 119cm (47 inches)  
Width: 84cm (33 inches)  
Height: 43cm (17 inches)

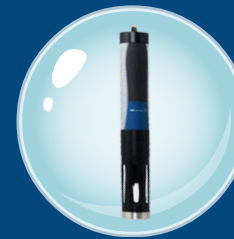
Wireless and Cellular communications antenna.  
Coast Guard approved beacon.

High energy density, high efficiency, solar panels with flip access.

Sturdy side panels with hand lift access holes.

Lightweight, Hydro-Dynamic Instrumentation Yellow, Impact Resistant Buoy.

Multi-Sensor probe with optional UV anti-fouling system. Multiple arrays of monitoring sensors and sonde units available. This makes tailoring a system specifically to your application simple. While probes are tested and proven to exhibit minimal biofouling, an optional Extended Turbidity wiper is available.



Partial list of algae species affected by our patented systems: Aphanizomenon, Cyclotella, Pseudanabaena, Anabaena, Dictyosphaerium, Phacus, Aphanochaete, Fragilaria, Pinnularia, Arcella, Gloeocystis, Planktothrix, Gomphonema, Chlamydomonas, Lagerheimia, Chlorella, Lyngbya, Chroococcus, Micractinium, Spirogyra, Coelastrum, Staurastrum, Microcystis, Cosmarium, Tabellaria, Crucigenia, Nitzschia, Tribonema, Ulothrix, Botryococcus braunii, Rhodomonas minuta, Tetrademus acuminatus, Scenedesmus quadricauda, Merismopedia tenuissima, Sphaerocystis Schroeteri, Chloromonas reticulata, Navicula minima, Cryptomonas erosa, and Oocystis pusilla



HBS products, such as the algae management & monitoring systems, are patent pending or patented in various countries worldwide. All products advertised, excluding solar panels are PROPRIETARY HBS, LLC PRODUCTS.