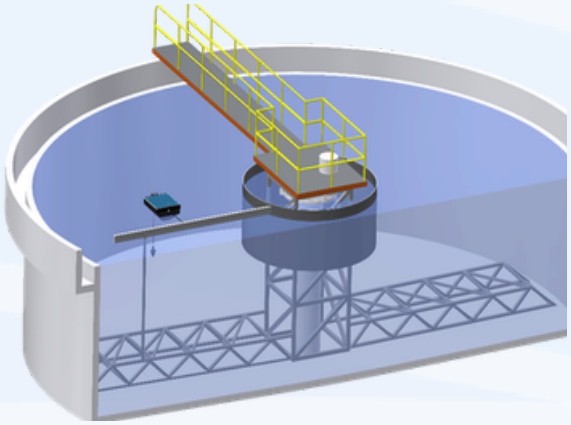
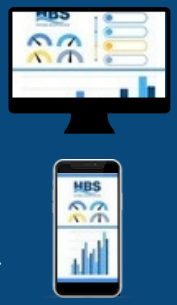
SolaRaft-iQC™ Application

The SolaRaft-iQC ™ is the first of its kind, capable of operating exclusively inside wastewater clarifiers. Due to the mechanical moving parts inside of wastewater clarifiers, sonic transducers risk getting tangled and damaged or damaging the clarifier parts themselves - until the release of the SolaRaft-iQC™.

A typical application is shown below. The SolaRaft-iQC™ is attached to the sweep arm with a 2m to 4m rope, bungie cord, cable or other attachment means and then dropped into the clarifier. It is then dragged along the sweep path of the sweep arm - what could be simpler?



ANYTIME, ANYWHERE



We are certain you'll love the convenience of our real-time monitoring system - MyQuattro™ and MyH2Oinfo™. MyQuattro™ is a Smartphone based App which connects to the system's Bluetooth® to monitor voltage and state of health. Available on Android and IOS.

HBS'S PATENTED TECHNOLOGY OFFERS WHAT NO OTHER COMPETITOR OR COMPETING PRODUCT CAN:

- The greatest number of ultrasonic frequencies within the industry
- 10's of thousands of discrete frequencies
- Thousands of organized bandwidths
- Highest sound pressure output per watt used
- Greatest area coverage while using the lowest power consumption needed
- Lightest weight – lowest shipping cost
- Easiest deployment –no hand tools needed
- No Ultrasonic Emission Dead Zones
- ***Lowest Product Cost***

ABOUT US

Since 2016, Hydro BioScience, LLC (HBS) & Diversified Power International, LLC (DPI) pioneered algae and biofilm remediation through worldwide patented technology and innovation. We are the inventors of the 360-degree ultrasonic algae remediation technology shown to be effective in thousands of worldwide installations.

Our Mission: As environmental stewards with regard for public safety, HBS strives to lower the chemical footprint. Through continued scientific research and product innovation, HBS commits to providing you, our valued customer, with ever improving functionality, quality, and affordability.

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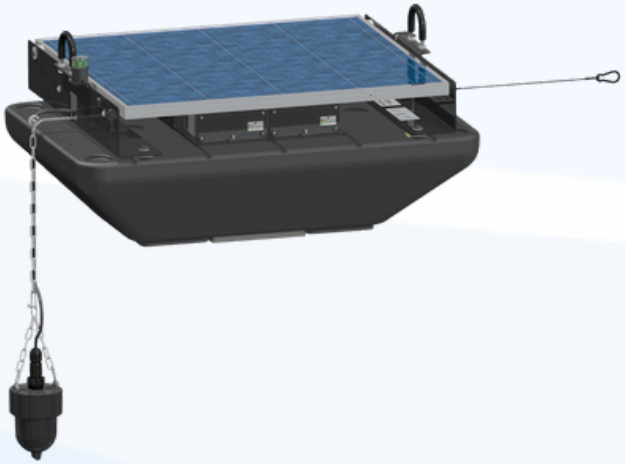
HBS™
HYDRO BIOSCIENCE

SolaRaft-iQC™



Ultrasonic Algae & BioFilm Remediation For Wastewater Clarifier Applications

Uses ARCS™ Resonance Technology

EPA Est. No. 95328-TN-1
Worldwide Patent

SolaRaft-iQC™

ULTRASONICALGAE CONTROL SYSTEM

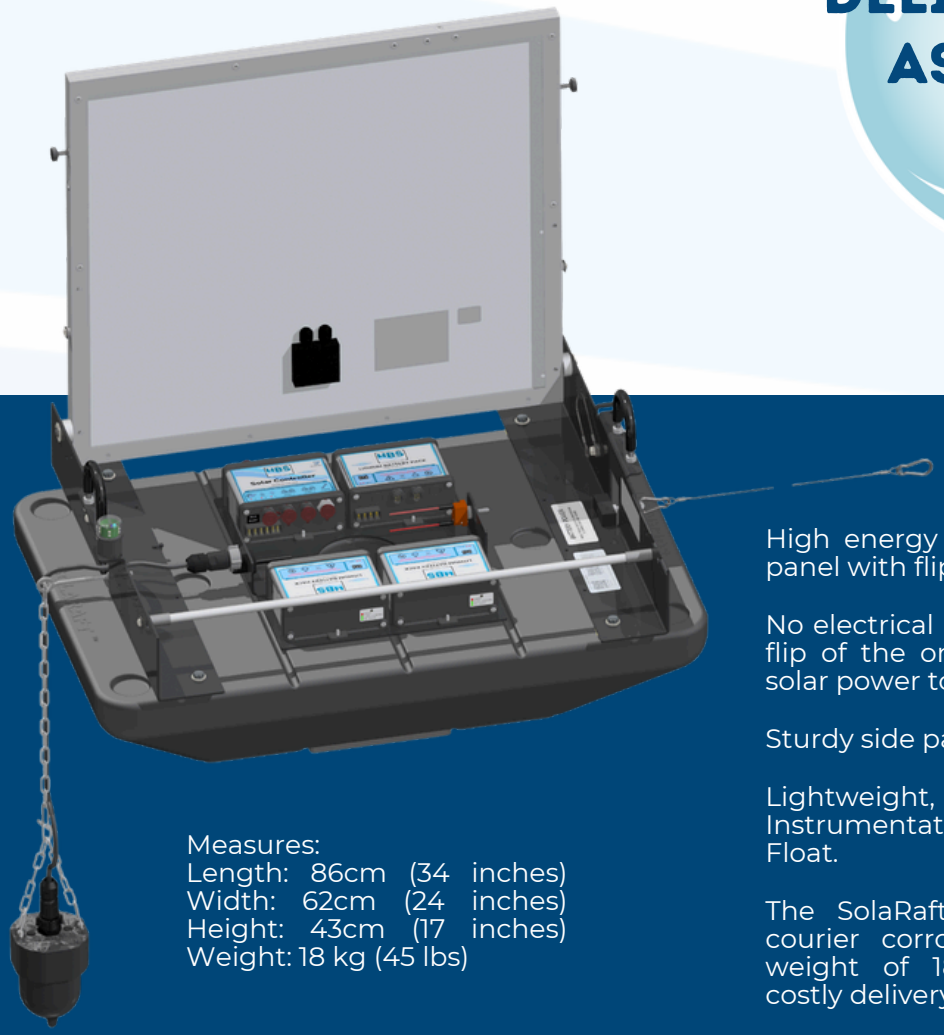
- SolaRaft-iQC™ buoyancy rated at 54kg (120lbs)
- Electronic modules designed to IP68 protection
- Connectors designed to IP67/68 protection
- Generates and stores enough energy to power one Quattro-DB® ultrasonic algae remediation transducer

HBS™
HYDRO BIOSCIENCE

DELIVERED PRE-ASSEMBLED

TOOLS NOT REQUIRED

DEPLOYABLE IN UNDER 20 MIN



FEATURES

High efficiency solar controller with BLE intelligent wireless.

Standard package comes with 30Ah energy storage with IP68 water ingress protection rated lithium battery packs.

Ample energy collection from a high-wattage solar panel and increased battery storage capacity allows the SolaRaft-iQC™ to properly power the Quattro-DB® Ultrasonic Algae Control Transducer.

Standard Manufacturer 3-Year Warranty.

Measures:
Length: 86cm (34 inches)
Width: 62cm (24 inches)
Height: 43cm (17 inches)
Weight: 18 kg (45 lbs)

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

No electrical connections needed. A simple flip of the onboard on/off switch supplies solar power to keep the batteries charged.

Sturdy side panels.

Lightweight, Hydro-Dynamic Instrumentation Black, Impact Resistant Float.

The SolaRaft-iQC™ ships in a standard courier corrogated box. Its approximate weight of 18kg (45lbs) greatly reduces costly delivery fees and freight delays.

Partial list of algae species potentially 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, Tetradesmus acuminatus, Scenedesmus quadricauda, Merismopedia tenuissima, Sphaerocystis schroeteri, Chloromonas reticulata, Navicula minima, Cryptomonas erosa, and Oocystis pusilla

Connect with HBS:

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.