

BioHaven Floating Wetlands: Giving life back to water



BioHaven is the world's leading floating wetland system, backed by more than 15 years of research & development and over 5000 launches worldwide. BioHaven is used for water quality treatment, habitat creation and erosion control projects in rivers, lakes, estuaries and the sea.



Water quality treatment

BioHaven® is backed by over 15 years of research and more than a decade of successful installations to offer a zero energy and zero chemical approach to water treatment.

Scalable and replicable solutions for water quality management can be designed using modeling software

BioHaven is backed by experts across a wide range of sectors to be the performance leader for water quality treatment. Case studies can be supplied on request.



Habitat creation

BioHaven® has been specifically designed to mimic a natural wetland and provide the same important benefits as these valuable natural environments.

The system naturalises quickly and fits in to any aquatic environment

Resilient new habitat using terrestrial or emergent vegetation can be created in any shape and any size from floating wildflower meadows, to tern rafts and wetland environments.



Erosion protection

The unique design of BioHaven using internal buoyancy and a flexible structure makes it perfect for absorbing wave energy.

BioHaven has been used to manage erosion in lakes & reservoirs and on the coast.

Installations can be designed to protect sensitive assets or habitat from the long term impact of waves and wash.

BioHaven Floating Wetland



The Key advantages of using BioHaven over other floating systems

- A sustainable solution, with the use of no chemicals or operational energy
- The capacity to simultaneously treat multiple pollutants including nitrate, phosphate, ammonia, organic carbon, algae, heavy metals and suspended solids
- Perfect for retrofitting with inexpensive installation & maintenance
- Rapidly deployable and easily integrated with existing water treatment technologies or as a stand-alone water treatment option
- BioHaven is extremely robust and durable, designed with internal buoyance it is free form and can be made into any shape and size
- Biodiversity and Carbon offsetting tool that delivers comparable ecosystem services of a wetland

Case study 1: Biodiversity offsetting

Location: The Regent's Canal, Kings Cross redevelopment

Creating new resilient habitat in the heart of the capital is a challenging prospect. Previous attempts at creating floating habitat have resulted in high maintenance costs and failure of plants to establish properly, ultimately creating an eyesore rather than the planned flourishing ecosystem.

BioHaven Floating Wetlands have a novel design, overcoming the failings of other floating systems by delivering low maintenance, diverse habitat and providing excellent long-term plant success and proven water quality treatment.

BioHaven is an important tool for London Wildlife Trust in helping to regenerate urban waterways bereft of natural habitat.

Case study 2: Creating Green Infrastructure

Location: Serpentine, Hyde Park

A long-term, low maintenance solution for creating a multi-purpose floating barrier. The project would have to deliver robust green infrastructure as well as providing aesthetic benefits in keeping with this high profile location.

BioHaven was chosen for this project for the multiple functions that one installation can deliver. The robust construction provides a strong floating barrier that effectively cordons off an area of water space whilst also creating resilient new ecosystems and delivering water quality benefits.

Planted with a mixture of mature emergent vegetation, it has already attracted an incredible array of birdlife and insect activity.