

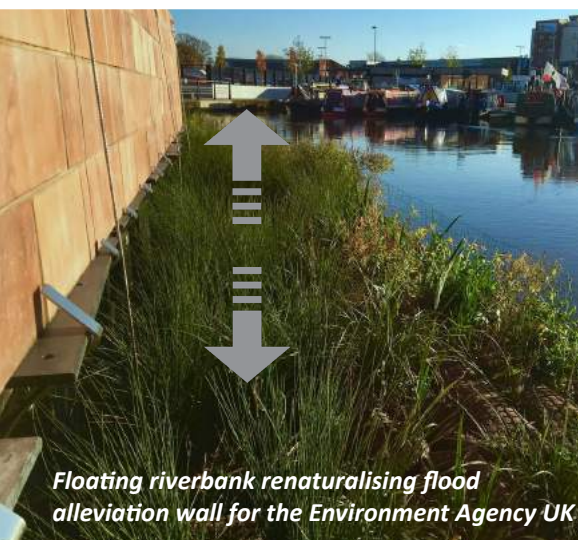
# BRINGING WATER TO LIFE





## HARNESSING THE POWER OF NATURE

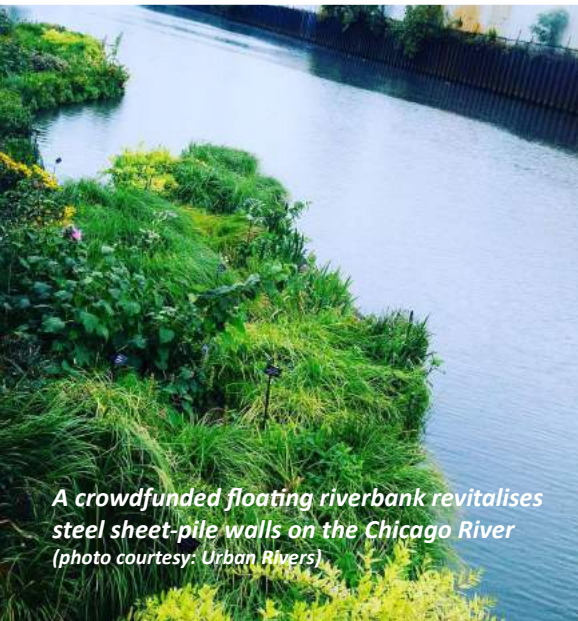
Biomatrix Water's Floating Ecosystems have been specifically designed to harness the power of nature to provide a long-term sustainable water quality management solution, which uses no chemicals and improves over time as the system grows.



*Floating riverbank renaturalising flood alleviation wall for the Environment Agency UK*



*Installation of the projects is often done with the help of local volunteers or school children (photo courtesy: Findhorn Bay Arts)*



*A crowdfunded floating riverbank revitalises steel sheet-pile walls on the Chicago River (photo courtesy: Urban Rivers)*

# Infrastructure Quality



## INCREASED WATERFRONT VALUE

The floating islands facilitate the transformation of low-grade waterbodies to living water parks without disrupting the existing infrastructure. This creates an increase of public amenity and recreation appeal, raising the value and quality of surrounding properties.



## IMPROVED WATER QUALITY

A micro-wilderness of submerged plants creates an ideal habitat for millions of microorganisms, which use algae, and excess nutrients in the water as a source, purifying the water. These spread out from the floating ecosystem improve water quality over a large area many years.

## ISLAND COMPONENTS

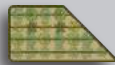
R2.3



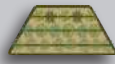
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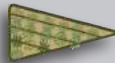
TZ2.3 RH



Z2.3



T2.3



## RIVER-READY STRENGTH

Biomatrix builds the strongest floating ecosystems available with a pull strength of over 2,500 kg. This allows our clients to install projects in challenging and dynamic water conditions.

## DESIGN FLEXIBILITY

Five interlocking components can be configured to form hundreds of Floating Island and Floating Riverbank shapes, can be connected with stainless steel quick connect flanges. Installations can be transformed over time, moved, re-configured and re-designed to suit different conditions as needed.





# y Floating Ecosystems



## STRONGER FISH STOCKS

A subsurface forest of roots provides shelter for fish and ideal feeding grounds, improving fish stocks.

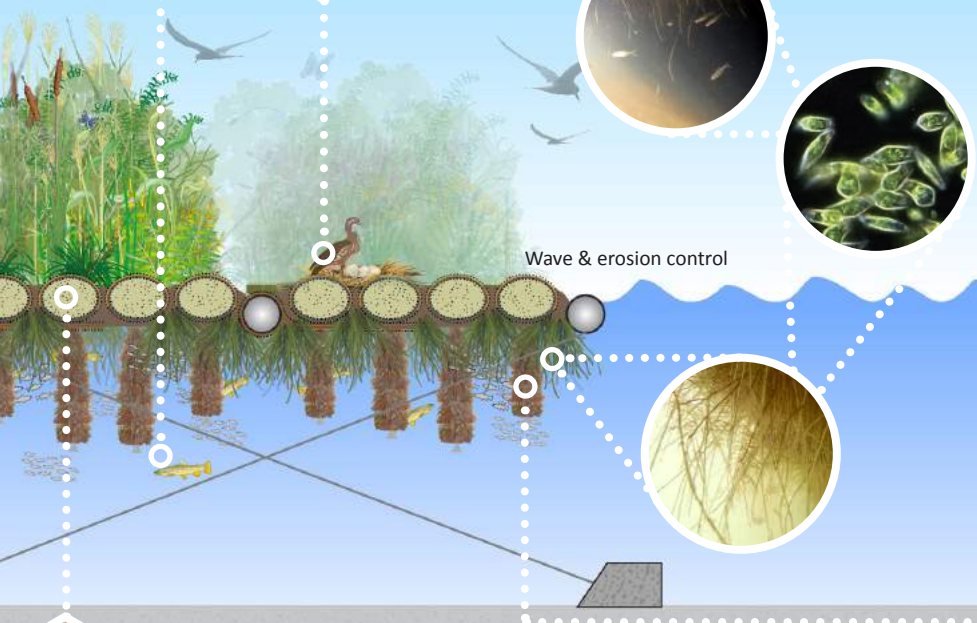


## A SAFE HAVEN FOR BIRDS

Specially tailored platforms provide the ideal nesting and preening habitat for birds. In urban areas with little habitat space, the islands offer sheltered refuges, safe from disturbance. A mix of habitat types can be created for specific species.

## QUALITY

Roots of plants provide a food source for microbes, creating a healthy ecosystem for fish and birds.



## PRODUCT / INVESTMENT LONGEVITY

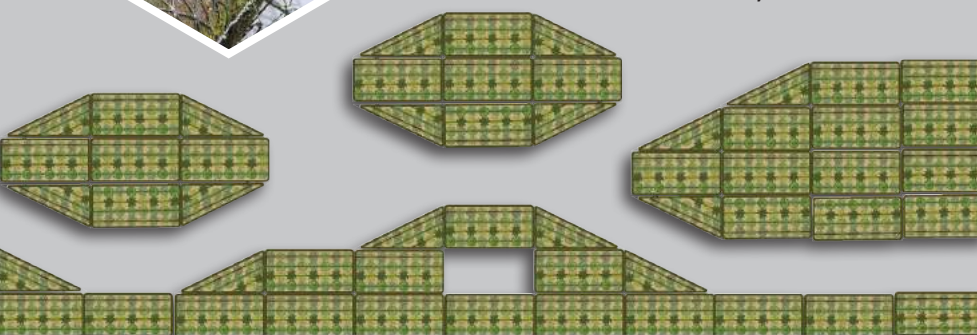
The floating ecosystems we build are by far the longest lasting available. Stainless steel, recycled HDPE and PP form the structure with each material being resistant to UV and oxidation, selected for marine engineering properties with a lifetime of over 20 years. An investment in a floating garden is made to last.

Ensured  
floating  
ough  
ations



## SUSTAINABILITY

Materials are carefully selected for recycled content and recyclability. Only non-toxic materials are being used in our components and we operate with a zero-waste manufacturing principle, within the context of a circular economy.



*A heron visits the islands in Manchester*



*A project installation in Hicklin lake, Seattle*



*Biofilter media columns create extra surface area for beneficial microbes*



*Stainless steel flanges securely connect the island components together*



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## ABOUT US

Biomatrix Water is an ecological technology company working primarily in the water sector. We work internationally providing products and services to meet the growing demand for ecological water technology that is functional, attractive and sustainable.

At Biomatrix, we believe that our Floating Ecosystem technology can provide effective solutions to the problems of water pollution and habitat degradation that many urban areas are faced with today.

The team at Biomatrix Water enjoy engaging with diverse challenges and are passionate about providing solutions that bring water to life. We look forward to hearing from you about your vision for your local river, pond, lake, canal or water treatment system.



*A living marina park by combining the floating gardens with pontoons*



*Before and after installation on the Chicago River*



*Just after installation and after a year's growth in London*

## CLIENTS & COLLABORATORS



*Urban pond restoration in central Manchester*