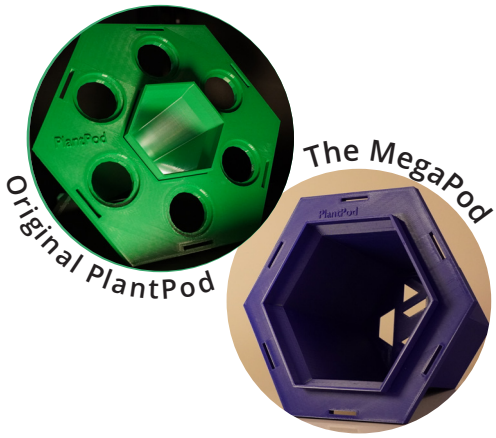
PlantPod

PlantPod Wetlands

www.plantpodwetlands.com



What are PlantPod Wetlands?

PlantPod Wetlands are constructed bio-islands that utilize a floating element and aquatic emergent plants to directly improve water quality, create habitat for aquatic life and provide hands-on opportunities for communities to invest in the betterment of their local environment.

FEATURES

- 3d printed from durable and water-safe PET plastic
- Equipped with removeable pots to allow for plant and nutrient harvesting
- Affordable and expandable to meet any project size and budget
- Easy to assemble... No special tools or equipment needed

BENEFITS

- Upcycle single-use plastic bottles
- Remove excess nitrogen and phosphorus from waterways
- Improve water quality
- Reduce water temperatures
- Create aquatic habitat
- Diversify native plant species
- Engage community members
- Cycle nutrients

PROBLEM

60

60 BILLION single-use plastic bottles are thrown away each year in the United States alone.

12%

Of those 60 BILLION bottles, **only 12% are actually recycled. The rest end up in a landfill.**

80%

According to the USDA, up to **80% of fertilizer applied to the land ends up in our water increasing nitrogen and phosphorus levels.**

SOLUTION

PlantPods upcycle single-use plastic bottles, remove excess nutrients directly from our water and engage your community in creating meaningful change.

Give single-use plastic bottles a new life and purpose.

Reduce harmful levels of Nitrogen and Phosphorus.

Engage your community in making a positive change.

Many of our water bodies are impacted by unhealthy levels of nitrogen and phosphorus. These elements in excess concentrations can cause eutrophication - leading to harmful algae blooms, dead zones, and fish kill.

PlantPods are constructed bio-islands, planted with aquatic emergent species, whose sole purpose is to pull these excess nutrients from the water. However, these super-concentrated nutrient-filled plants are meant to be harvested. PlantPod pots easily slip from their housing and transport their collected nutrients to help establish nutrient-poor project sites. The pots are then easily re-inserted back into the system with a fresh, new plant ready to absorb more nutrients.

BENEFITS

WATER QUALITY IMPROVEMENT

- PlantPod Wetlands directly interact with the water column to remove harmful levels of nitrogen and phosphorus; and because, PlantPods utilize a removeable pot, these nutrients are harvestable and can be installed in nutrient-poor project areas.

HABITAT IMPROVEMENT

- PlantPods provide cover for fish, basking platforms for turtles, collecting areas for macroinvertebrates, and stopover habitat for birds, butterflies and dragonflies. Install native plants and you can create species-specific ecological niches.

COMMUNITY ENGAGEMENT

- PlantPods are easy to plant, easy to assemble and fun to install. No special tools or skills are required... making them great DIY projects for your backyard pond or your local lake. Make a positive impact in your world today!

CIRCULAR ECONOMY

- At PlantPod, we embrace sustainable materials management by upcycling single-use plastic bottles, by creating quality reusable products from safe materials, and by cycling nutrients from high concentration areas to deficient ones.

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