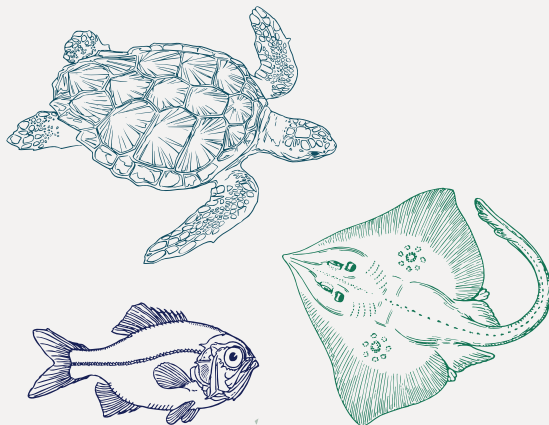


CLEAN YOUR LOCAL BEACHES WITH MICROBOT

A novel approach to environmental stewardship

What is MicroBot?

MicroBot is a civilian-controlled cost-effective submarine robot built of recyclable materials that gathers microplastics in the ocean to clean the environment and enhance and care for marine life.



Why we need Microbot?

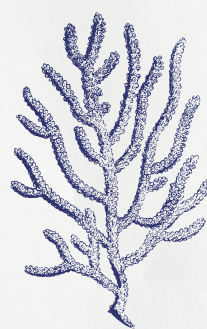
Every year, at least 14 million tons of plastic wind up in the ocean, and plastic accounts for 80 percent of all marine trash discovered from surface waters to deep-sea sediments. In addition, marine creatures consume or become entangled in plastic trash, resulting in serious injuries and death.

For who?



MicroBot was designed to conserve marine life and improve its quality of life.

Purpose



MicroBot was established with the goal of making ocean conservation enjoyable. You may play with your friends and family in a friendly competitive setting while also benefiting the environment. It is fun and helpful!

Join the mailing list!

Join our mailing list to stay up to speed on activities, contests, environmental news, quizzes, and other fun stuff!

Weekly Competitions

Every week, competitions are held to determine who can gather the most microplastics in the shortest amount of time. The categories are split by age, and the winners of first, second, and third place get surprise prizes.

Register now to be part of this amazing community!

Flourishing

This design allows users to engage with the environment, especially the ocean and marine creatures, leading to periods of self-reflection. Collecting so much trash from the water will enable them to witness the devastation we people cause to the environment when we dispose of plastics inappropriately. This design is a calling that allows individuals to flourish and change.



IT'S ALL ABOUT THE USER MANUAL

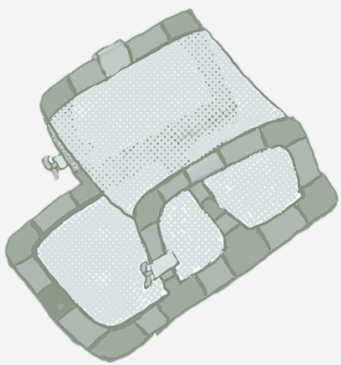
Information on MicroBot and how to utilize it

Who can use it?

MicroBot requires a minimum age of 13 to operate. An adult must accompany children under the age of 16 during the whole process..

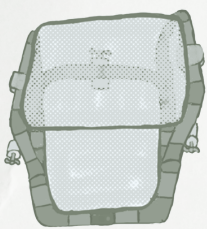


How does it work?



MicroBot is remotely operated using a remote control and a camera. This submarine robot features unique meshes that catch as small as 5 millimetres of microplastics. These particular meshes can detect how much a player has gathered, showing them the amount on the remote control screen. When it reaches its maximum capacity, it notifies the player that they must return to its port to dispose of the accumulated microplastics.

Design



Microbot is made of repurposed plastic tubes. It has three potent propellers that enable the robot to navigate in the water. It also has two floats on each side to make getting it to the surface easier. In addition, it has a front-facing camera as well as a remote control signal, and it has meshes on all sides except the center, which allow microplastics to be collected easily.

Controller



The controller has two levers, two top-mounted buttons, and a digital display in the middle. The levers are used to move the robot sideways, while the buttons are used to raise and lower the robot.

In addition to displaying notifications or vital information, the digital screen is utilized to observe what the robot's camera is broadcasting live.

Tutorials

To manage and handle MicroBot effectively, you must attend at least three tutorials or seminars with professionals where they will teach you how to use it and will inform you on microplastics, marine life, and more!

Benefits



MicroBot has the advantage of lowering microplastic concentrations and boosting marine life. In addition to amusing the family.

Restrictions

MicroBot can only be utilized on beaches or in bodies of water that are participating in this initiative. Furthermore, it is not permitted to seize the robot or move it from its authorized port.

