

Top 10 inventions are contributing to the 'salvation' of the ocean, the number 3 created by a new girl in grade 6!

These extremely impressive inventions will help us clean up the waste floating in the sea and balance the marine ecosystem.

ECONcrete - Marine ecological concrete

Did you know that concrete is the second most consumed material in the world, after only water? Not only that, concrete has a very bad influence on the ecosystem. When exposed to long sea water, concrete will release harmful chemicals to nearby living organisms.



Therefore, a company based in Israel has developed ECONcrete. This type of ecological concrete has the same effect as ordinary concrete but is made up of other environmentally friendly materials. In addition, they have a structure with many holes to simulate corals, allowing undersea fish to live inside.

Wrap the can of edible water

Surely everyone will remember the image of marine creatures dying from plastic waste, birds pinched by rubber bands, or the most famous is the video of a turtle with a straw in the nostrils.



To increase public awareness and reduce the negative impact of rubbish, SaltWater Brewery - a company based in Florida, USA - has created a completely new version of beer can. Organic materials allow them to dissolve quickly in seawater, leaving no toxic chemicals behind. In addition, if the marine creatures have accidentally eaten, it will not cause any negative effects.

Robots detect and filter plastic from water

Anna Du, a freshman in grade 6, was able to create a machine with unexpected effects. The robot also helped Anna to reach the final of the Discovery Education 3M contest in the Children's Science field.



The robot is composed of two main components: a navigation system to swim in the water and a high-resolution infrared camera to find microscopic particles. From the outside, the robot looks like a pile of discarded plastic pipes, but in fact, it works very effectively, quickly clearing micro-particles of water in the water.

Currently, you can buy books and donate funds to support Anna Du's project at KickStarter website.

Seabin ocean trash

This 'trash' feels like a 'black hole' in the middle of the sea, but instead of sucking everything, it just sucks the garbage floating on the water. This model has now been widely applied and proved extremely effective in filtering and removing plastic waste on the coast. Seabin is even used to filter oil from the surface of the water thanks to the special inner filter.