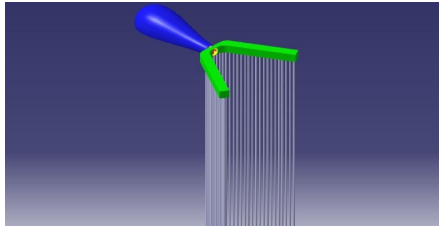


Inventor profile

Anteneh Gashaw is the CEO of Anteneh Engineering. He is an innovative mechanical engineer with more than 70 inventions so far. You can find some of his inventions via <https://contest.techbriefs.com/profile?user=89682>



3D model of the over all mechanism



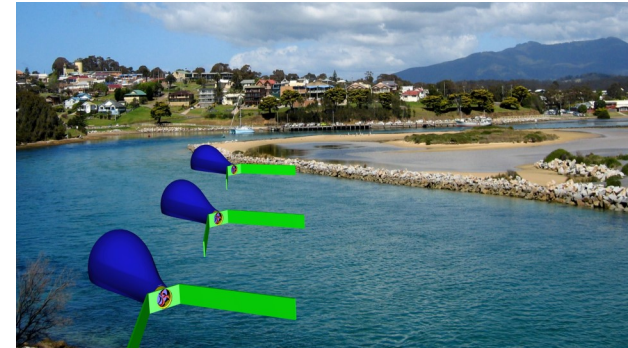
Caribbean Sargassum Problem project

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Caribbean Sargassum Problem project

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Restoring Caribbean economy and fighting climate change

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The Problem

Record-breaking amount of Sargassum is in the Caribbean resulting in the highest problem ever gotten. The major problems it



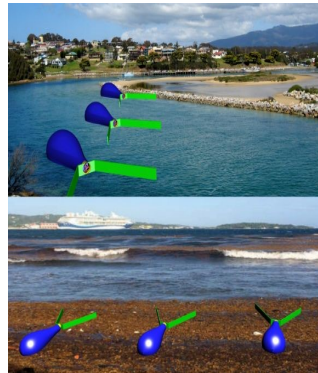
has brought are it piles up on beaches, sometimes many feet thick and begins to decay. The hydrogen sulphide that gets released smells like rotting eggs and many resorts had to close their doors. Since the species are Sar-

gassum natans and Sargassum fluitans float they block sunlight creating dead zone beneath them because plants under need sunlight to survive and the cleanup and removal of Sargassum is an expensive and tedious task.

Our Solution

This project involves solving the Caribbean Sargassum problem by preventing the Sargassum from piling up and decaying since that is the main problem.

The algae have considerable volume but we have the advantage of the current which we will use the green structure to direct



the Sargassum into the red blade. The green structure is stationary fixed on the shore, and then the red blade will force the Sargassum to be collected in the blue holding net that allows water to pass but not the algae.

Implementation

The project design also have an implementation mechanism that considers the new reality of Coronavirus (COVID-19) because while solving this problem is very critical for the **economy of Caribbean** and **fighting climate change** for the world, peoples should not have to risk their health while implementing the project. This is done by allocating local engineers in different locations, provide product specifications based on site conditions and make the installation without personals moving from one site to another.

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