

Clearbot Introduction

We believe that the balance
between the humanity and the
ocean is broken.

Our mission is to restore this balance so that we
have a sustainable relationship with our planet.



Fishing boat & net collection, Hong Kong

Current marine vessels burn fuel and pollute the water

Problem

Every year we generate tons of CO2 burning fossil fuels on ships/boats and dump tons of plastic waste in the sea.



Currently

Current trash collection boats use diesel to operate and create more pollution than they clean up!



Future

We use cutting edge technology to create cost effective alternatives for industries so that can profitably adopt environmentally sustainable solutions.

Clearbot

the unmanned alternative that is electric, emission free and efficient

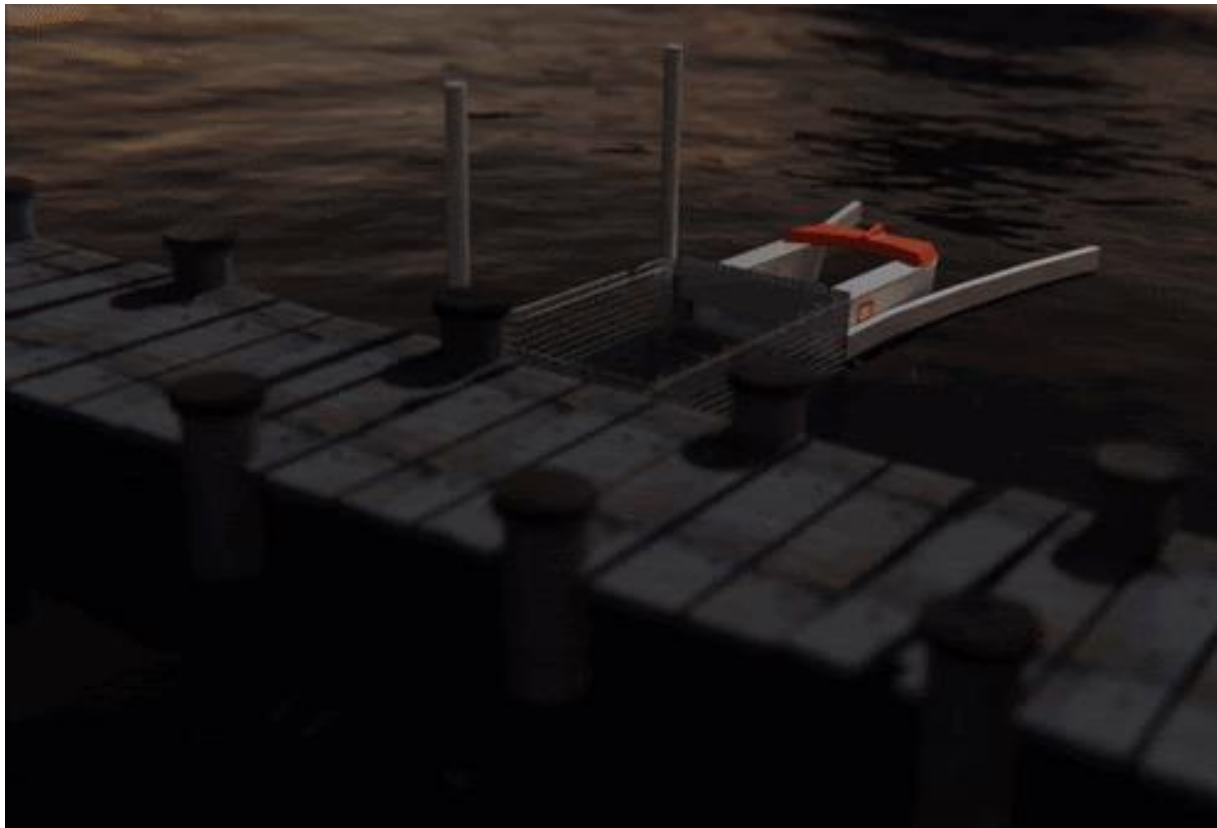


Clearbot is the next gen alternative that uses computer vision and swarm robotics to safely and affordably collect marine waste, transport goods and automate marine inspections.

Clearbot is **better for business** since we reduce fuel, manpower and management costs

Clearbot is **better for the environment** since we replace fuel guzzling boats with clean, green machines!

With clearbot, there is no manpower and no pollution.



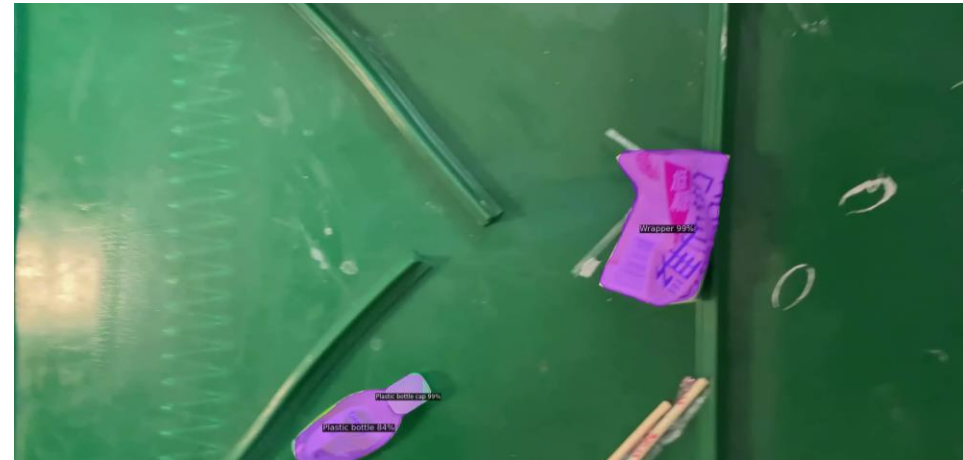
Clearbot produces zero carbon or greenhouse emissions when underway.

It's 4-hour battery life can be connected to solar powered charging docking station which further reduces the impact on the environment.

We also have different operational modes – Radio control mode or Autonomous mode.

When autonomously operated, Clearbot's path can be pre-set and so, **no manpower is required**, helping our clients cut costs.

And we even give you 100% AI- powered transparency



Clearbot's artificial intelligence technology takes a picture of each waste item collected, creating 100% transparency for our clients.

We collect data such as:

- ✓ Total trash collected
- ✓ Most common type of trash collected
- ✓ Number of locations visited
- ✓ Visibility
- ✓ Temperature range
- ✓ Other customised metrics

Clearbot can intelligently clean trash, foam or move cargo!

Some of our use cases from real clients



Our partners are some of the biggest tech companies in Asia

Partners



Media

THE WALL STREET JOURNAL.



Bloomberg

Clients



Want to know more about the specifics?

How much garbage can it carry?

Clearbot has the trash collection capacity of 200 kg.

What sizes are available?

Clearbot's length is 3m and its width is 1.3m.

How long can Clearbot last per charge?

Battery Life: 4 hours per charge

Does it crash into things?

No, Clearbot is autonomous and thus, has LiDAR and a set path missions that are set to avoid both static and moving objects in the water

What if the internal guidance systems break down?

Clearbot has several redundancies. Should the Clearbot lose communications briefly it will continue its guided path. If the Clearbot continues to not receive communication, it will finish its set route and return to its home/launch point.

How do I get it in and out of the water?

We have a winch system that pulls Clearbot in and out of the water with help of 1-2 people.

Can you collect oil?

We have a mechanical attachment of 3m x 30cm oil-only sorbent booms on the sides & back of the bot with a total oil collecting capacity of 60 liters of oil.

Our journey and values!



Bali, Indonesia March, 2019

Our company started off as a self-funded student project to clean waterways in Bali, Indonesia. We found a community struggling to keep their beaches clean and made it our mission to give them a better solution.

During this journey we found massive market opportunities where we could make a disruptive (& profitable) change by providing a turn-key solution for the marine sector's adoption of sustainable energy infrastructure.

Values

- ✓ 100% Customer Satisfaction
- ✓ We link Impact and Profit

Our Process

1. We organize a demo & site visit for clarity around the product and client requirements
2. We then hold a product evaluation meeting to workout project specifics
3. Finally, we send forward a project proposal and budget as per the clients needs!

