

Project O.R.C.A

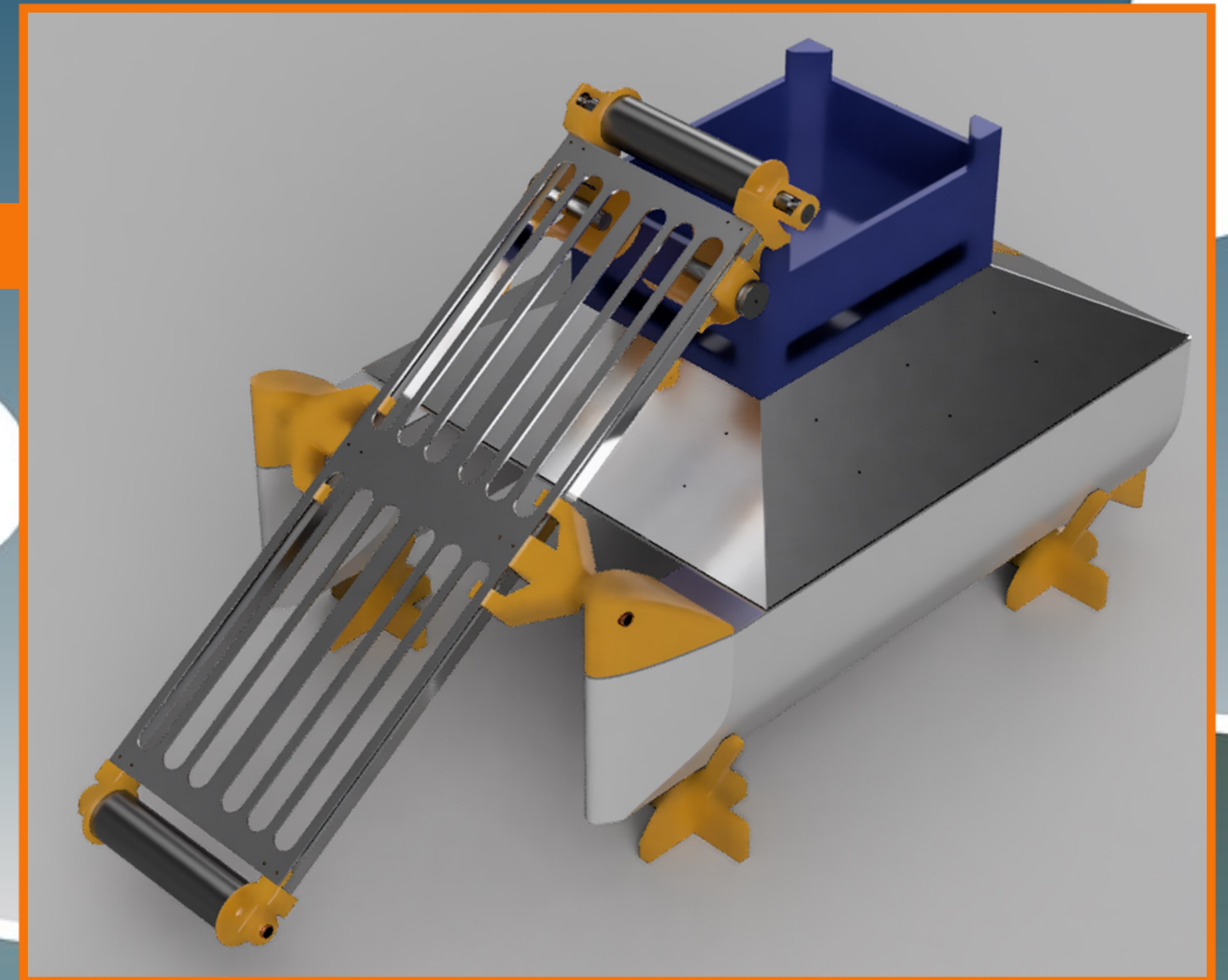
Oceans make up 70% of the world's surface and are vital to all life on earth. 10 million tonnes of litter end up in the ocean each year, and it is only increasing. It is estimated that by 2050 fish in the ocean will be outnumbered by litter.

Application

Project ORCA aims to provide a low cost solution to the increasing amount of litter that ends up in inland bodies of water. The craft collects litter using a conveyor and storing it in collection baskets. The residual water swept up with the litter will filter through the bottom and be poured back into the body of water. The conveyor will pull litter away from the surface for storage, along with any potential contaminants that it may be leeching into the water.



"The greatest danger to our planet is believing someone else will save it" –Robert Swan OBE FRGS



Unique Features and Capabilities

- Variable speed conveyor for removing the litter from the surface of water
- Smart on-board controller which monitors battery levels and current capacity of litter collection baskets
- Filtered water run off
- Modular Collection Baskets
- Made out of reused materials
- Remote Controlled
- Custom PCBs for controller and receiver

