- Plastic is dumped in oceans and rivers. These plastics affect us as many communities use the river water and these plastics affect sea life as almost over 700 species have gone extinct. This problem is observed in most water bodies especially ones in or near cities. This has been a problem since plastic was invented as it's very convenient. This was observed from individuals as many animals washed up after consuming plastic but also from research groups. This problem is often experienced as 60% of all seabird species have consumed plastic 50-80% of dead sea turtles have ingested plastics

In most places the most often used solution to collect waste in rivers is a canoe with someone manually collecting the waste, though this technically works its not healthy for the person collecting the waste and so is unfavourable.
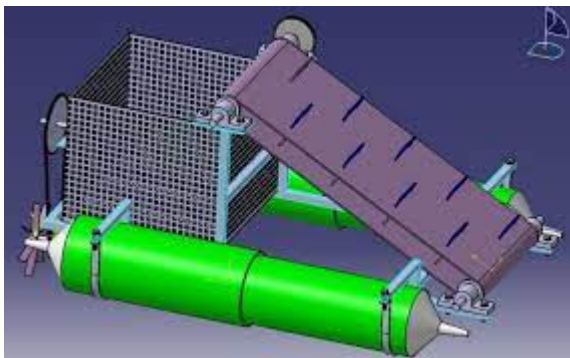
The problem isnt only how the plastic is collected, but how its transported to a recycling facility and since this is often overlooked we knew we had to include it in the design process.

The main idea is that automated machines collect waste and then all connect to a central hub to release the waste so it can go to a recycling plant, in an efficient way
This idea was mainly just from us brainstorming.
The design for collecting the waste is based on 3 designs we found from our research.
- https://senseable.mit.edu/waste-streams/
- https://www.irjet.net/archives/V6/i4/IRJET-V6I4711.pdf
- Ganga river surface cleaning machine:

If we need any help on the product we have multiple contacts for different needs, such as business, tech and engineering.