



What (the idea):

The goal of the Abatrone is to be able to travel long distances with a minimal amount of energy consumption by gliding through the air instead of flying when possible. The Abatrone will be build out of cheap materials so we can reach a wide range of customers, including the ones who have a little less to spend!

How (biomimicry)?

Inspired by the wings of the albatross, the Abatrone will have a wide wingspan to glide through the sky for long distances, making it more energy efficient as the use of a constant propulsion method is eliminated.

Why?

Centuries ago, people became fascinated with the idea of flight. Off course, this led to the planes and drones we have today. The main question to ask was ‘What if we took inspiration form nature to improve on those designs, will that make a difference?’

Technical components:

To control the Abatrone, propellers are needed, especially for when the conditions are not optimal. With the integrated camera, it will be possible to capture footage to help identifying people or other objects on the ground.

For whom?

The aim is to make the Abatrone as cheap as possible to ensure everyone who needs it, will be able to purchase it. The Abatrone is suitable for operations like: search and rescue operations, surveillance, and monitoring.