

I like drones! They are so fun to fly. I already designed a few drones at my job and I am always looking for ways to build better ones. Yesterday, I was visiting the aquarium with my brother and learned about the dolphin. Then, my aha moment came! What if I could design a drone that could fly & also dive like dolphins ? We saw that the dolphins could go as deep as 1000 meters & also jump up from the water surface into mid air.

I decided that I will work on a new type of drone that can fly like normal ones but also dive deep like dolphins. Firstly I needed to find a way to make sure that my drone doesn't get drenched by the water when it submerges. To solve this I made the body of my drone water proof with no leaks to keep all my circuits safe. Secondly I needed to make sure that my drone can swim. But, how on earth can I make a flying object swim ? Basically drone uses propellers to fly so I tried to use the same propellers to make the drone swim. Actually water & air are both fluids so my experiment paid off. But now came another challenge to make the drone move fast so that it can keep up with dolphins who swim so fast that fast is an understatement. To tackle this I used some powerful motors which will become active when the drone goes under water. I had to make sure not to add too much weight as that will be an issue during flight. After going through my check list & solving every issue my new drone was ready. I named it Drophin.

I came back to the Aquarium & for the first time turned on my drone & took it for a test ride. Drophin met dolphin for the first time & the interaction between them was a sight to behold. Now we have a way to move with dolphins underwater & also jump with them into the sky.