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## Underwater drone on Arduino?

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Hey there!

Today, I'm going to share some underwater drone electronics tips with you.

**Let's go back to 2018 again** - We almost finished designing one of the first CPS prototypes. We only needed to figure out what electronics to put inside of it. So we decided to do what everyone does - **Arduino**.

It wasn't a terrible choice at all. It took a **lot of R&D work** (writing software, designing everything) but we made it usable (with very basic functionality, but still).



2019, electronics of our drone (it works slightly better than it looks)

The following year, (by a total accident) we found out that someone had already made **better open-source software and hardware** that did exactly what we were trying to do. We had wasted a lot of time and effort trying to reinvent the wheel.

The software was called **ArduSub**, and it was developed by **BlueRobotics**. It used the popular **Raspberry Pi and Pixhawk flight controller**.

We were able to adapt the ArduSub software for the all-new CPS 5, and it worked perfectly - that's what we use to this day.

You can click here to [learn more about the ArduSub project](#).

So I will conclude this story with the reoccuring theme, which manifests itself throughout our entire "inventing process" - **Do your research before you reinvent the wheel :)**

That's why our course is designed to **give you a broader perspective on everything you're working on** - **so that you won't make the same mistake and make concious decisions when making your drone.**

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**Ready to try out the course?**

**Log in now**

**Cheers,**

**Piotrek, CPSdrone**

PS: Stay tuned for the next e-mail - you'll finally get to see the CPS 5 in action!

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