

Development of a flight assistance app for aerial mapping

About Ocell

Ocell builds innovative earth observation solutions for manned and unmanned aerial vehicles. We invented a new approach for collecting aerial data with higher resolutions than satellites and for bigger areas than what drones could deliver. Ocell uses various machine learning approaches to extract valuable information from these data sets.

What we want to achieve

We have an app that guides pilots in their mission. This app uses GPS and a 3D map of Germany to steer the pilot in height and heading in order to generate the aerial images in the most efficient way. You will add further features like optimized mapping route planning, dynamic rerouting, further UX improvements and Wifi-communication with our camera module (located at the plane's wing). This app will allow more pilots to fly and record data for us in a more independent way.

What we offer

- Early involvement in a startup
- A fascinating mix of HW and SW
- Self-responsible work style
- Having a say in technical decisions
- Guidance and support
- Work directly with the pilots and take part in flights
- Supervisor: Prof. Diepold (Chair for Data Processing - EI)

What we expect

- Motivation and technically adeptness
- Experience with app development
- Interest in airplanes
- UX experience
- EI7570/EI0432/EI7620/EI7428/EI7768 or other relevant modules

If you are interested please contact us: info@ocell.io