Development of a flight assistance app for aerial mapping

About Ocell:

Ocell offers 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 multi-dimensional data sets.

What we want to achieve with you:

We are building an app pilots will use as their daily companion for aerial mapping tasks. It will display information such as airspaces, heading and the mapping path. This path will be customized for the airplane in use to optimize the mapped area. The app will communicate with a sensor module to display live information. Optionally, augmented reality features can be applied.

You will develop a modern mobile app for android or with cross platform tools.

What we offer:

• Early involvement in a startup
• Self-responsible work style
• Having a say in technical decisions
• Guidance and support
• Supervisor: Prof. Diepold (Chair for Data Processing - EI)

What we expect:

• Motivation and technically adeptness
• Experience with app development
• Interest in airplanes
• UX experience
• IN2018 / IN1503 / other relevant modules

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