

## UAV Engineer

**Reference: OMN-HR-REC-2022-01**

Omnidea Lda. is looking for an Engineer with experience on UAVs to join our ranks in a **full-time position** within our R&D team in Almada, Portugal.

### Responsibilities

The main job would be to support the development of a UAV (helicopter) integrated to a broader monitoring & control system to be used for near offshore operations.

More specifically, you will:

- Analyse the requirements needed for the system to work as intended
- Design the UAV component, its architecture and interfaces, ensuring consistency and interoperability with other system components
- Implement the communication layer in between the base station and the AV to support control and data transfer
- Implement the functions that will enable the AV to take-off and land autonomously
- Implement the functions that will enable the AV to fulfil an assigned planned mission
- Implement the functions that will enable the AV to respond to real time events
- Procure and assemble all physical parts needed for the system to work as required
- Test the prototype AV for the requirements agreed
- Test the prototype system against the requirements agreed
- Document each phase of the development and testing for future reference.

### Profile

#### Must have:

- MSc in Engineering (Mechanical, Aerospace, Electronics, or relevant/similar).
- Experience with UAV development, preferably with helicopters.
- Experience with AutoPilot/ArduPilot/MAVLink platforms.
- Structured and well-organized way of working
- Good communication skills and a great team player
- Ability to work in a multicultural environment
- Highly organised and proactive with high attention to detail
- Ability to handle confidential information
- Driven and eager to learn
- Fluent in English
- Candidates must be eligible to work in the EU

**Nice to have:**

- Professional experience UAVs development
- Knowledge/Experience of OpenHD, OpenCV and ROS.
- Experience with testing and certification for the aerospace sector

**Place of Work:** Monte da Caparica, *Lisbon* region, Portugal

**Application:**

Applicants should submit their **CV** and a succinct **cover letter** explaining their motivation for applying and how their profile fits the job requirements advertised. **Applications not fulfilling all the minimum requirements will not be considered.** Selection preference will be given to candidates fulfilling the preferential requirements.

**Deadline for applications is 10<sup>th</sup> June 2022 – Email address: [careers@omnidea.net](mailto:careers@omnidea.net)**