

## Internship - Robotics Hardware Engineer

### Who we are:

At BladeInsight, our mission is to empower decision-makers in the renewable energy sector with technological solutions for more assertive decision-making on blade maintenance, driving down the cost of wind energy through advanced robotics and ML-powered analytics. By allying powerful technology with blade expertise, BladeInsight provides visibility over the state of wind turbine blades for data-driven maintenance planning and long-term optimization.

We have developed solutions for the internal and external inspection of wind turbine blades, including an internal rover and autonomous drone solution with state-of-the-art sensors. The data collected is processed on the BladeInsight cloud platform, where we use Image Processing and Machine Learning to help our clients know the status of their wind blades and how to best manage them. Thanks to these solutions, we have inspected over 22,000 blades in 20 countries.

Our team is our core asset. We believe on betting on its members, enabling them to grow in proportion to skills and not seniority. Therefore, we are looking for people who are solution-oriented, curious, and willing to learn, and who enjoy taking initiative and working in a multicultural environment.

### What you'll be doing:

- Hands-on workshop work - soldering, mechanical assembly, debugging electronics, 3D printing
- Designing CAD models of different parts of the payload/drone using Fusion 360
- Programming test automation scripts (bash)
- Programming drivers for peripheral electronics (PCB, Single Board Computers and sensors (C/C++, Python)
- Contributing to product development and prototype testing, including piloting drones
- Supporting the production and delivery of current generation solutions
- Improving QA/QC to deliver robust HW solutions
- Keep learning: learn new technologies and don't be afraid of trying something new

### Which skills you'll bring (at least a few skills from the list have to be met):

- Basic knowledge of hardware and electronic components
- Basic knowledge of Linux OS and Bash
- Basic knowledge in one of the languages: C++ or Python
- Basic knowledge of CAD and Mechanical design
- Basic knowledge of PCB design and R&D would be a plus
- Passionate about well-structured work environment, with clean and efficient processes and documentation
- Passionate about actively keeping the quality of your work in check
- Comfortable working in an English-speaking & fast-paced environment

### What we offer:

- Internship with a minimum duration of 4 months
- Compensation in line with the skills
- Flexible working hours
- Fresh fruits and snacks

This job position is Lisbon based, with offices in TagusPark, Oeiras. If you would like to apply, please send your CV to [careers@bladeinsight.com](mailto:careers@bladeinsight.com).