

## Actuation Lab Ltd Job Description [REF E001]

### Full-Time R&D Engineer

#### Company profile

Actuation Lab is an award-winning spin-out of the University of Bristol. We are a group of modern-day inventors using the latest design methods, materials, and rapid manufacturing tools to rethink industrial hardware. Our goals are to engineer components that are smarter, lighter, more reliable and reduce our impact on the planet. With the support of a recent investment, the company is accelerating the development of its first product, the composite material Callimorph actuator. This Callimorph is designed to keep machines and mechanisms moving in the world's most extreme environments, reducing maintenance, and increasing efficiency in the Energy, Marine and Renewables industries.

#### Job Overview

The team of three founders are now looking for new team members who are prepared to stretch themselves and adapt quickly through this exciting stage of early company growth. We are looking for a full time R&D Engineer with practical, hands-on engineering experience, to take an instrumental role in developing future composite actuator products. Applicants must have a passion for building technology from the ground up. Early focus for this role will be to work with the founding team to develop and validate the performance of novel material systems and prototype actuators, at Actuation Lab's workshop within the world-leading National Composites Centre in Bristol. The successful applicant will be provided with development opportunities to grow technically and professionally as the company scales.

#### Principal Responsibilities and Duties

As a key member of the team, you will be called upon to use your engineering experience to help solve practical problems encountered in the manufacturing development of future actuators. You will design, build, run and report on empirical experiments to aid product development. As an excellent communicator you will have strong report writing and delivery skills and will regularly be given the opportunity to communicate your findings internally and to external stakeholders. You will be empowered to engage with key suppliers and manufacturers, building strong relationships with the engineering supply chain. Your work will lead you to develop a deep understanding of standards and certifications in the process and energy industries, allowing you to help guide the development of products that are ready for industry adoption.

#### Required Knowledge, Skills and Experience

- Practical experience in the design, build and testing of mechanical hardware.
- Experience in Computer Aided Design.
- Experience in the design and execution of empirical experiments, data capture and data analysis.
- Knowledge of the design and fabrication processes of composite material structures.
- Knowledge of 3D printing and rapid prototyping.

#### Minimum Qualifications

Degree in Engineering or Science.

**Starting salary:** £32,500 - reviewed annually based on performance.

To apply, please email CV and cover letter to [contact@actuationlab.com](mailto:contact@actuationlab.com) quoting reference [REF E001] in the subject.

**Applications accepted until 5pm on 2<sup>nd</sup> April 2021. Successful applicant to start ASAP.**

**Applicants must have the right to work in the UK.**

