

## **Better Futures+ Internships**

### **HydroHammer Limited**

#### **About the company**

A physical green tech start-up, HydroHammer aims to reduce the carbon (and real terms) costs of hydro generation and water pumping. The company's goal is to redesign the Hydraulic Ram Pump for the Twenty-First Century and realise its commercial potential. The company uses patented technology, novel techniques, and advances in manufacturing to create greener ways of moving water. For more information please see: [www.hydrohammer.org.uk/](http://www.hydrohammer.org.uk/).

#### **About the role**

We are looking for an engaging, detail oriented candidate to take charge of the testing and development of one of the flagship products of HydroHammer. You will gain exposure to a range of areas including: research, engineering design, stakeholder engagement, and market analysis. There is scope for you to develop the role as time goes on and the company grows.

The company is currently working towards its first proof of concept installation later this year. The role would initially focus on two areas: product development and deployment feasibility. Specifically

- Development - this technology is currently in the testing and development stage, and aims to advance from TRL 6 to 9. The testing phase will be a collaboration (in order to work around restrictions) and will give you the chance to get to grips with rapid prototyping, front end design, and electronics.
- Deployment - you will work as part of the project team (with Dr. Thomas Rowan) to complete a feasibility study for the first demonstration of this technology, including market research, forecasting and stakeholder management.

These two projects are heavily intertwined and should take three months to complete, and if successful there will be an opportunity to extend and expand the role. In this dynamic, rapidly growing company the successful candidate will have a range of other skills and ideas to bring to the table.

#### **About the intern**

The successful applicant will have a passion for climate based innovation, attention to detail and the enjoyment of fieldwork. The role would involve feasibility, designing and implementing new hydroelectric and hydro-management schemes in the UK. Whilst applicants with a variety of skills (C++, Solidworks/CAD, GIS) and backgrounds (civil engineering and electronics design) would be of particular use, the ability to learn new skills, flexibility, and entrepreneurial spirit will be the most important attributes you could bring to this role.

**Length of internship:** *3 months initially, with possibility of extension.*

**Remuneration:** London Living Wage (£10.85 per hour)

**To apply:** please email [h.flower@imperial.ac.uk](mailto:h.flower@imperial.ac.uk) and [info@hydrohammer.org.uk](mailto:info@hydrohammer.org.uk)