

# VACANCY: ELECTRICAL ENGINEERING INTERNSHIP

## CONTRIBUTE TO A UNIQUE CIRCULAR INNOVATION

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### ABOUT ROETZ

Roetz-Bikes is on a mission. We are taking circular design to the next level by designing a circular electric bike platform at our design studio located at the TU Delft Campus. We believe our mission and design philosophy will change the bike industry and beyond. We supply consumers and retailers, but also large parties such as NS, ING and Schiphol with our circular solutions from our Fair Factory operation in Amsterdam Noord.

### POSITION

We are looking for an electrical engineering student to participate in our unique project at the interface of Internet of Things and Circularity. You will be part of a focused, fast-paced team based in our design studio on the TU Delft campus, helping us move from proof of concept to production.

Your main tasks will include:

- Assembly of wired bus network and electronics on the bike and optimizing design for circularity and robustness
- Programming the smart layer of the bike in C and Python
- Developing battery and motor controller interaction
- Supporting the lead Embedded & Electrical engineer in iterating modules from prototypes to production standard

### PROFILE

We are looking for a proactive team member who is:

- Undertaking an Electrical Engineering at WO or HBO level
- Experienced with hands on electronics assembly and programming through personal and school projects
- Available for 3 months or longer
- Interest in building bikes and circularity are added bonuses

### WHAT DOES ROETZ OFFER?

Roetz offers an opportunity to design technology that will have genuine impact on sustainable mobility. You will work at a scale-up with an innovative vision of the (cycling) world where you will be part of a young, professional team. You will be based at our workshop on the TU Delft Campus.

Is this role right for you? Send your CV and motivation letter before 31 December 2020 to [circular@roetz-bikes.nl](mailto:circular@roetz-bikes.nl) Include **Vacancy Electrical Engineering Internship** in the subject heading. In your motivation letter describe why you are interested in working with our team on this project.