

We are looking for an

# Electronic Engineer [80-100%]

**with a track record in hardware development.**

## Our story

At Irmos Technologies we are on a mission to maximize the safe operational life of existing buildings and bridges. We fundamentally improve the status quo in structural analysis and maintenance planning, by combining sensor data with intelligent algorithms. We are a dynamic team of innovative engineers, with extensive expertise in structural assessment, structural health monitoring, data science, and software development. We envision safer and more sustainable infrastructure for everybody and for this we need to clearly communicate infrastructure health metrics to various stakeholders.

Join us as a Hardware Developer and be a part of reshaping structural maintenance through innovative data-driven solutions. Your expertise will drive our hardware product development and contribute to the evolution of irmos technologies in our dynamic startup environment.

## What you will do:

As an Electronic Engineer, you will be the visionary architect of our sensing solutions. Your main tasks include:

- Hardware design of high precision sensors and acquisition systems
- Firmware development for embedded systems.
- Support of the industrialization of our sensing configuration.
- Design and implement protocols for benchmarking sensors.

## What you will bring:

- Master's degree in electrical engineering, automation, controls systems, or similar field.
- Professional experience in embedded systems/IoT applications.
- Expertise in embedded system development with strong proficiency in C/C++.
- Experience with RTOS and/or Embedded Linux.
- Experience with hardware design of electronic circuits (Altium, STM32).

## You are:

- Motivated to integrate a dynamic, high-performance, and exciting start-up environment.
- Passionate about leveraging data insights to optimize the performance of our buildings and bridges, driving efficiency and innovation.
- Demonstrate independence, meticulous attention to detail, and strong organizational skills.
- You are a collaborative team player who thrives in a dynamic and inclusive work environment.
- Proficiency in English, both written and verbal. Other languages are a plus.

**What we offer:**

- Experience the thrill of delivering pioneering technology that changes lives and builds a safer, more sustainable future.
- Immerse yourself in an inspiring workspace at Zurich Technopark.
- Take advantage of unique opportunities for professional development by participating in professional workshops, seminars, and networking events.
- Manage your own time and maximize your day by taking advantage of our flexible working environment.
- Enjoy the benefits of being part of an ETH Spin-off, including reduced membership for the Academic Sport Club of ETH (ASVZ).

Your role in the early stages of our startup journey will have a significant impact in the evolution of irmos technologies!

**Take the next step in your career by joining our dynamic company:**

**Apply now** with your **CV** and a **short motivation letter** at [hoelzl@irmos-tech.com](mailto:hoelzl@irmos-tech.com)

