

**NEW  
POSITION**

# imperix

## ELECTRONICS HARDWARE ENGINEER

**Contract type** Long-term contract, 70-100%.

**Starting date** As soon as possible

### ABOUT US

Imperix is a Swiss company commercializing prototyping equipment for power electronics, electric drives, smart grids and related topics. Its products are designed to accelerate the implementation of laboratory-scale power converter prototypes and facilitate the derivation of high-quality experimental results. Its customers are world-class universities and industries that have a strong focus on research and typically intend to validate state-of-the-art control techniques or new power converter topologies.

The company offers various levels of services, ranging from the sale of bare products to the delivery of full turnkey solutions that include significantly customized hardware and software. Today, over 90% of sales are made abroad, with customers within 30 countries.

Founded in 2013, imperix is a young and dynamic company of about 20 people. It is located at a short walking distance from the train station in Sion.

### JOB DESCRIPTION

You will be part of our engineering team and will work on the development of new products, as well as on special projects for our customers. More specifically, you will contribute to various activities related to the design and manufacturing of electronic circuit boards. The corresponding applications are very diverse and include various fields of specialization, in particular:

- High current (> 40 A) and/or medium voltage (> 1000V) in power circuits.
- High frequency (> 5 GHz) in communication circuits.
- Wideband analog electronics (> 1MHz).
- Digital electronics (DSP, FPGA, DDR, microcontrollers).
- Thick (> 200 µm) or multi-layer (> 12L, HDI) copper circuits.

Specifically, the foreseen responsibilities are as follows:

- Edition of circuit schematics.
- Definition of layout rules and constraints.
- Realization of board layouts (component placement and routing).
- Maintenance of component libraries.
- Debug and testing of electronic circuits.
- Measurement and qualification of the performance obtained.
- Specification of test protocols.

Furthermore, other responsibilities may be considered, in particular regarding the programming of microcontrollers and/or laboratory test activities.

## REQUIREMENTS AND QUALIFICATIONS

- **Education:** Technician, engineer or equivalent.
- **Languages:** French is (still) the daily spoken language at imperix. In addition, a good command of technical English is required, at least in writing.
- **Experience:** This position requires good command of the Altium Designer software, as well as demonstrable prior experience in several of the fields of specialization mentioned above.

## THIS POSITION WILL SUIT YOU IF

- You are a rigorous and meticulous person, even quite a bit of a perfectionist.
- You appreciate a young and friendly environment that is also serious and professional.
- You are looking for a position giving place and granting value to your initiatives.
- You feel capable of working both individually as well as part of a team.
- You are capable of meeting with strict deadlines.
- You need a flexible schedule and/or the ability to work remotely.

If you feel like working with us, please send us your CV along with a cover letter explaining your motivations. Email correspondence should be addressed to [jobs@imperix.ch](mailto:jobs@imperix.ch). We reserve the right to maintain correspondence only with profiles that reasonably correspond to the position.