

**NEW  
POSITION**

# imperix

## SENIOR POWER ELECTRONICS ENGINEER

**Contract type** Long-term contract, 80-100%

**Starting date** As soon as possible

### ABOUT US

At imperix, we develop and commercialize prototyping equipment for power electronics, electric drives, smart grids and similar topics. Our products are designed to accelerate the implementation of power converter prototypes and facilitate experimental activities in research laboratories. Our customers are both universities and industries, who typically seek to validate state-of-the-art control techniques or new power converter topologies. Today, over 90% of our sales are made abroad, with customers within 42 countries. Founded in 2013, imperix is a young and dynamic company of about 30 people, located within short walking distance from the train station in Sion.

### JOB DESCRIPTION

As part of our R&D team, you will work on the development and testing of new products, as well as on the implementation and documentation of application examples for our customers. As a senior power electronics engineer, your role will be to address the most ambitious topics as well as provide support to other engineers with their own tasks.

You will work on a great diversity of converter topologies, ranging from thyristor-based rectifiers to modular multilevel converters, and going through resonant converters or other innovative converter structures. Typical applications also vary broadly from motor drives to PV or energy storage systems, going through microgrids and wireless power transfer systems.

### RESPONSIBILITIES AND MAIN DUTIES

- Lead and execute the development of various converter control implementations.
- Manage customer-specific projects and undertake related tasks.
- Contribute to R&D activities regarding hardware and software products.
- Write technical and/or commercial documentation (English).

## REQUIREMENTS AND QUALIFICATIONS

**Education and experience** MSc or PhD in electrical engineering (or similar field of studies).

**Seniority** Mid-senior to Senior. Prior experience in power electronics required.

**Language** Excellent communication in English, both written and spoken. Other languages a plus.

## THIS POSITION WILL SUIT YOU IF

- You are seeking to work in a dynamic, fast-paced environment.
- You are seeking to address state-of-the-art control applications on a daily basis.
- You are self-motivated and capable of working both individually and as part of a team.
- You are a down-the-earth person with a natural focus on bringing effective solutions but you are nonetheless familiar with “trendy” theoretical academic research topics.
- You are comfortable with responsibilities and capable of meeting with strict deadlines.
- You are looking for a position giving place and granting value to your initiatives.
- You appreciate a young and friendly environment that is also serious and professional.
- You need a flexible schedule and/or the ability to work remotely (max. 2 days/week).

If you feel like working with us, please send us your CV along with a cover letter explaining your motivations and what you would bring to the team. 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.