Imperix is a young and dynamic Swiss company, founded in 2013 and located in Sion.

The company commercializes prototyping equipment for power electronics, electric drives, smart grids and related topics. Its products are designed to accelerate the implementation of laboratory-scale power converters and facilitate the derivation of high-quality experimental results.

Typical customers are world-class universities and industries that have a strong focus on research and intend to validate power converter control techniques.

**C/C++ DEVELOPMENT ENGINEER**

**Contract type** Long-term contract (CDI)  
**From** Immediately

**YOUR JOB**

You will have the opportunity to work on various aspect of the B-Box programming and real-time remote control, ranging from the support of code generation from graphical models (Simulink, PLECS) to data logging or the continuous development and optimization of our embedded real-time OS (BBOS) and proprietary communication protocol (RealSync). In addition, you will also be able to design and implement data post-processing mechanisms from data synchronization and digital filtering to real-time visualization. You may also work on microcontrollers and, in case of interest, on FPGA firmware (VHDL).

**WHAT WE EXPECT**

**Education** Bachelor or Master degree in electrical engineering or computer science.  
**Seniority** Junior to Mid-senior. A previous experience of software development is desired.  
**Language** Good written communication skills in English. Ease with French (spoken and written).

Experience with the following tools or topics are considered a plus:

- MATLAB Simulink, Plexim PLECS
- Communication protocol (TCP/IP, UART, SPI, JTAG,...)
- Signal processing
- Scripting, compilation tools, gcc, make
- Qt API

**THIS POSITION WILL SUIT YOU IF**

- You are self-motivated and capable to work both individually as well as part of a team
- You are a down-the-earth person with a natural focus on bringing effective solutions
- You are looking for a position giving place and granting value to your initiatives
- You appreciate a young and friendly environment that is also professional and result-oriented
- 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 and what you would bring to the team. Email correspondence should be addressed to jobs@imperix.ch.