



## **Electrical Technician (SY-EPC-HPC-2026-46-GRAE)**

Geneva, Switzerland - Full-time

### **Job Description**

Join CERN's High Power Converters (HPC) section, which is responsible for the design, construction, installation, operation, and maintenance of multi-MW power converters and Static Var Compensators. You will work with engineers and technicians on upgrade activities for the SPS and PS main power converters. These systems are distributed across several buildings and will undergo significant upgrades over the next three years. The role is hands-on and site-based, with strong collaboration across technical teams.

### **Your responsibilities**

- Realisation of 3D mechanical drawings of new electro-mechanic parts of the SPS and PS main power converters.
- Realisation of electrical circuit diagrams for the control and protection circuits.
- Realisation of various technical documentation.
- Assembly and installation of new equipment.
- Implementation and test of new control systems for the power converters.
- Testing and commissioning of new components in laboratory and on site.
- Supervision of the work of contractors on the worksite.

### **Your profile**

- Ability to read and understand electrical schematics and technical drawings.
- Basic knowledge of power electronics principles.
- Exposure to 3D design tools for simple mechanical parts.
- Motivation to work in close collaboration with engineers and technicians in a multidisciplinary team.

### **Skills**

- 3D CAD design (e.g. SolidWorks, Inventor or similar).
- Electrical safety awareness.
- Electrical schematics reading.
- Knowledge of basic electrical measurements (multimeter, oscilloscope).
- Spoken and written English or French, with a commitment to learn the basics of the other language.

Eligibility criteria:

- You are a national of a [CERN Member or Associate Member State](#).
- **By the application deadline, you have a maximum of two years of professional experience since graduation** in Electrical / Electronics (or a related field) **and your highest educational qualification is a general secondary education diploma.**
- You have never had a CERN fellow or graduate contract before.
- Applicants with a Bachelor's, Master's or PhD degree are not eligible.

**Additional information**

Job closing date: **08.03.2026 at 23:59 CET.**

Contract duration: 24 months, with a possible extension up to 36 months maximum.

Working hours: 40 hours per week

Job flexibility: Fully Onsite

Target start date: 01-June-2026

