

## Call for contribution of expertise

CERN invites collaborating institutes and universities to contribute the expertise of their qualified employees to the activity described below.

*Start date:* 01/12/2018    *Duration:* One year, possible extension to a maximum of up to three years.

*Project/Activity:* Electrical supervisor

### *Detailed description of Activity:*

The Electrical Engineering Group (EN-EL) at CERN is responsible for the electrical power-distribution network (from 400 kV to 400/230V), for the fibre-optics infrastructure, and for signal and DC-power cabling for the accelerator complex. The expert will be part of the Electrical Network Installation & Commissioning (EIC) section. In particular, the expert will participate in the development, upgrade and renovation of the low-voltage and high voltage power network. This includes the follow-up of contractor's onsite activity. This will involve:

- Verification of technical files prepared by the project leaders prior to their execution by the contractors.
- Performance of Site Acceptance Tests of the LV and HV power distribution systems.
- Organisation and follow up of safety inspection meetings.
- Verification that work undertaken by contractors fully complies with safety rules, quality requirements, technical specifications and general requirements.
- Establishment of power balances on the safety networks and follow their evolution. Complexity, after a training period during the next winter accelerator shutdown.

*Profile:* Bachelor degree in industrial/electrical engineering or equivalent technical experience. General knowledge of electrical installations. Proved experience in work site electrical installations and commissioning. Practical knowledge of LV and HV networks, switchboards & LV distribution systems and understanding and implementing electrical circuit layouts will be an asset.

*Specific details:* Work in controlled radiation areas, underground premises, on shift, and during nights/weekends when needed. Diplomacy and excellent team-working attitude. Valid driving license. Good working knowledge of either English or French.

*Status at CERN:* Associated Member of the Personnel (Project Associate).

Conditions in accordance with CERN's Staff Rules and Regulations and Administrative Circular No. 11. Subsistence allowance is payable by CERN to cover the additional cost arising from the individual's (and, as applicable, their family's) stay in the local area while performing activities at CERN.

*Option:* Collaborating institutes and universities can propose to support the activity of the qualified employees participating in this "Call for contribution of expertise" with students or other employees. Their status and Subsistence allowance when applicable will be adapted to their relation with their institutions

*Reference:* 2018\_Q3\_002