

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: 01/09/2018

Duration: One year, possible extension to a maximum of up to three years.

Project/Activity: Job Manager for cabling (Signal and DC-power) systems

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 participate in the preparation of cabling campaigns for the Long Shutdown 2 supporting the FC project managers in:

- Collection of cables installation requests from CERN users;
- Study of possible technical solutions for the routing of the cables and for the sizing of the new cable trays;
- Prepare the technical documentation for the work execution;
- Supervision and inspection of the installation works (done by contractor);
- Follow up with the contractor during all installation phases (including frequent worksite interactions) and monitor the expenditures;
- Assess the installation quality;
- Establish a progress report at the end of wiring campaigns;
- Work on similar optical fibre tasks, as required.

It is expected you to progressively acquire the capacity of solving technical problems and dealing with installation projects of increasing 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 cabling. Specific knowledge of cables and connectors would 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

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Reference: 2018_Q2_003