



Electrical Technician Ref EN-EL-BT-2015-29-LD

Europe

Are you an electrical technician looking for a new challenge? Contribute your skills to the improvement and reliability of CERN's large electrical distribution network for accelerators, experiments and general infrastructure. Take part!

Job Reference: EN-EL-BT-2015-29-LD

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24/02/2015

Closing date:

05/04/2015

Introduction

Electrical Technician in the Engineering Department (EN), Electrical Engineering Group (EL), Low Voltage Section (BT).

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Votre mission :

You will join:

- The Engineering (EN) Department which provides engineering competences, infrastructure systems and technical coordination for the world's largest particle accelerator complex and its experimental facilities.
- The Electrical Engineering (EL) group which is responsible for the CERN electrical distribution network from 400kV to 400/230V. Its main missions are to operate, maintain, extend and renovate the network. The group is also in charge of making modifications and extensions to the network as required by new projects, in terms of project studies, equipment procurement, installation, supervision and commissioning.
- The Low Voltage (BT) section which is responsible for the design, procurement and installation of LV substations and the building of electrical infrastructures as well as the implementation strategies for the consolidation and extension of the existing LV networks.

Votre Profil :

Functions

As an Electrical Technician in the Low Voltage Section, you will actively participate in the development, upgrade and renovation of the low-voltage power network. This includes the responsibility for following up contractor's onsite activity as well as on specific requests from in-house users.

This will involve:

- Verification that work undertaken by contractors fully complies with safety rules, quality requirements, technical specifications and general requirements.
- Performance of design and calculation on the existing low voltage power network.
- Performance of Factory Acceptance Tests of the LV power distribution systems.
- Performance of Site Acceptance Tests of the LV power distribution systems.
- Drawing up operating and maintenance procedures in collaboration with the Operation Section and the Maintenance Manager.
- Problem solving and failures analysis of miscellaneous systems (UPS, diesel systems,

Référence

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Date de publication

02/03/15

Entreprise

Cern

Région

Europe

Ville

Secteur

Electricité Et Maintenance

Type de contrat

- Temps plein
- CDD

safety lighting, 48V DC inverters.

- Verification of technical files prepared by the project leaders prior to their execution by the contractors.

Qualification required

Higher technical diploma in the field of electricity, or equivalent.

Please note that preference will be given to candidates with the above-mentioned qualifications: In principle consideration will not be given to applications from people with higher qualifications.

Experience and competencies

The experience required for this post is:

- Experience in the design of low-voltage power networks, in particular low-voltage network calculations.
- Experience with distribution systems (switchboards, circuit breakers, protection relays, transformers, UPS systems, battery chargers, inverters).
- Experience in supervising low-voltage installations, in particular preparation of work files, work supervision, and acceptance of low-voltage electrical installations.

The technical competencies required for this post are:

- Design of LV network & switchboard: coordinate subcontractors with users' requests. ensure compliance and availability of installations.
- Design of electrical circuit layout.
- Technical supervision of contracts: coordinate subcontractors with users' requests. ensure compliance and availability of installations.
- Use of Scientific and Engineering software packages.
- Use of Database software packages.

The behavioural competencies required for this post are:

- Managing self: working well autonomously; taking on activities and tasks without prompting; Taking initiative beyond regular tasks and making things happen.
- Solving problems: assimilating large quantities of information, identifying key issues and formulating conclusions clearly and concisely; Identifying, defining and assessing problems, taking action to address them.
- Achieving results: delivering high quality work on time and fulfilling expectations; Having a structured and organised approach towards work; being able to set priorities and plan tasks with results in mind.
- Communicating effectively: providing others with timely information; Checking to ensure that the message has been well understood.
- Working in teams: gaining trust and collaboration from others; Contributing to promoting a positive atmosphere in the team through an optimistic and constructive attitude; addressing issues.

The language competencies required are:

- Spoken and written English or French: ability to understand and speak the other language in routine situations.

Conditions d'emploi :

Eligibility conditions

Employing a diverse and international workforce is a CERN core value and central to our success. We welcome applications from all Member States(link is external) irrespective of gender, age, disability, sexual orientation, race, religion or personal situation.

This vacancy will be filled as soon as possible, and applications should normally reach us no later than 05.04.2015.

By applying here, you allow CERN to consider your application for any position it

considers relevant with respect to your profile. Please ensure you update your profile regularly with any relevant information and that you inform the recruitment service if you wish your file to be removed from the database.

Note on Employment Conditions

We offer a limited-duration contract for a period of 5 years. Limited-duration contracts shall terminate by default on their date of expiry.

Subject to certain conditions, holders of limited-duration contracts may apply for an indefinite position.

These functions require:

- Participation in a regular stand-by duty, including nights, Sundays and public holidays.
- Work during nights, Sundays and public holidays.
- Work in radiation areas.
- Interventions in underground installations.
- A valid driving licence.
- Shift work, when required by the needs of the Organization.

CDD

[Read more about employment conditions](#)