



## Electrical Technical Engineer Ref EN-EL-BT-2015-25-LD

Europe

*Are you an Electrical Technical Engineer looking for new challenges in the field of electrical maintenance*

*Is electrical power distribution your field of expertise Contribute to the reliability of the CERN's large electrical distribution network for accelerators, experiments and general infrastructure.*

*Take part in the improvement of CERN's electrical network*

*Job Reference: EN-EL-BT-2015-25-LD*

*Publication date:*

*24/02/2015*

*Closing date:*

*24/03/2015*

*Electrical technical engineer with experience in maintenance management, in the Engineering Department (EN), Electrical Group (EL), Low Voltage Section (BT).*

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#### Votre mission :

You will join:

- The Engineering Department (EN) that provides engineering competencies, infrastructure systems and technical coordination for the world's largest particle accelerator complex and its experimental facilities.
- The Electrical Engineering Group (EL) 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, analyse and make projections for CERN electrical energy consumption and manage relations with the energy suppliers. The Group is also in charge of making modifications and extensions to the network when required by new projects, in terms of project studies, equipment procurement, installation, supervision and commissioning.
- The Low Voltage Section (BT) which ensures design, procurement, installation and maintenance of low voltage substations and building electrical infrastructure.

#### Functions

As an Electrical Technical Engineer in the Low Voltage Section, you will actively take part in the maintenance and renovation of CERN's electrical distribution network. You will provide technical expertise and guidance for electrical installations and manage maintenance contracts.

Further, you will:

- Carry out or check electrical load balance analyses, equipment sizing, calculation and selection.
- Implement appropriate safety policies for the electrical distribution networks.
- Participate in drawing up quality and risk prevention plans for the maintenance activities.

#### Référence

15030214490

#### Date de publication

02/03/15

#### Entreprise

Cern

#### Région

Europe

#### Ville

#### Secteur

Transport Et Manutention

#### Type de contrat

- Temps plein
- CDD

- Propose plans and measures in view of solving recurring problems encountered with the electrical systems.

- Manage maintenance and supply contracts.

- Inspect electrical systems, equipment and components to identify hazards, defects and the need for adjustment or repair, and to ensure compliance with safety rules; where operation of equipment carries a risk, make technical reports and recommendations to management.

- Participate in multidisciplinary projects involving civil engineering, ventilation, cooling and electricity distribution in compliance with safety and industrial quality standards.

## **Votre Profil :**

Qualification required

Bachelor in the field of electrical engineering, or equivalent.

Experience and competencies

The experience required for this post is:

- Experience in design, maintenance and management of high-voltage or low-voltage power networks and components (e.g. switchgear, transformers, UPS, diesel generators, cables, etc.) for a large industrial site.

The technical competencies required for this post are:

- Contract management: technical advice, financial validation, work planning and priority setting.

- Knowledge of design calculations, network analysis and simulation.

- Knowledge of international standards such as IEC and electrical safety rules.

The behavioural competencies required for this post are:

- Achieving results: delivering high quality work on time and fulfilling expectations; driving work / projects along and seeing them through to their conclusion.

- Solving problems: identifying, defining and assessing problems, taking action to address them; anticipating obstacles; assessing alternative solutions in order to have a fall-back plan.

- Working in teams: contributing to promoting a positive atmosphere in the team through an optimistic and constructive attitude; addressing issues.

- Communicating effectively: listening actively to others and letting others speak; expressing opinions, ideas and suggestions with conviction and in a logical/structured manner; keeping to the point.

The language competencies required are:

- Spoken and written English or French: ability to understand and speak the other language in professional contexts. Ability to draw up technical specifications and technical reports and to make oral presentations in English.

## **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 24.03.2015.

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.
- Shift work, when required by the needs of the Organization.

CDD

[Read more about employment conditions](#)