

## Electrical Engineer

**Job Req ID:** 12228

**Closing Date:** 06 May 2021

**Publication:** Internal & External

**Vacancy Type:** Permanent

**Date Posted:** 22 April 2021

Vacancy in the Directorate of Internal Services.

ESA is an equal opportunity employer, committed to achieving diversity within the workforce and creating an inclusive working environment. For this purpose, we welcome applications from all qualified candidates irrespective of gender, sexual orientation, ethnicity, beliefs, age, disability or other characteristics. Applications from women are encouraged.

This post is classified A2-A4 on the Coordinated Organisations' salary scale.

### Location

ESTEC, Noordwijk, The Netherlands

### Description

Electrical Engineer in the ESTEC Infrastructure Operations Section.

The ESTEC Infrastructure Operations Section is responsible for the maintenance and operation of the ESTEC site general infrastructure consisting of 150,000 m<sup>2</sup> of buildings and technical facilities including offices, laboratories with several cleanrooms, technical areas such as central productions of hot & chilled water, power plants with diesel generators, water treatment systems, water and sewage networks.

The ESTEC electrical network consists of a 10kV distribution grid, low-voltage installations and emergency power production plants.

ESTEC applies Dutch national health & safety legislation and has an ESTEC Electrical Policy to define roles and responsibilities within the organisation. The maintenance and operation of the infrastructure are contracted to a service provider on the basis of a performance-based contract. The Electrical Engineer reports to the Head of the Infrastructure Operation Section and is appointed by the Head of Establishment as the person in charge of the ESTEC Electrical Installations. The electrical engineer must possess the Dutch certification required to fulfil the role of person in charge of electrical installations or must be capable of acquiring it during the first 6 months of service.

### Duties

You (if possible, after a hand-over period) will be responsible for:

- The operation and maintenance of the ESTEC General Infrastructure Electrical Installations and the supervision of the related activities that are performed by a service provider via a performance-based contract.
- The management of contracts for the supply of gas and electricity.
- Compliance with Dutch electrical standards and Dutch requirements in terms of Health and Safety of the electrical installations.
- The implementation of state-of-the-art electrical engineering technologies.

- The identification and implementation of measures to reduce the environmental impact of the operation of the ESTEC infrastructure a to significantly increase its energy efficiency and reduce CO2 emissions .
- The preparation of technical reports and studies and their presentation.
- The preparation, tender and management of small and medium-sized projects in the electrical domain
- The provision of support and technical advice in the electrical domain to users of laboratories and technical facilities.
- Reacting rapidly in the event of technical problems, operational requirements or technical emergencies.

### **Technical competencies**

In-depth knowledge of electrical safety legislation

Knowledge of maintenance and operation of large electrical installations and networks

### **Behavioural competencies**

- Result Orientation
- Operational Efficiency
- Fostering Cooperation
- Relationship Management
- Continuous Improvement
- Forward Thinking

### **Education**

Applicants must possess a Master's degree in electrical engineering.

Applicants for this post must have:

- At least five, and preferably ten, years of relevant work experience.
- Excellent knowledge of electrical safety legislation and standards is required (i.e. European standard 50110 and Dutch standard NEN 3140) and either be in possession of the relevant Dutch certification or obtain it in the first six months of duty by following the appropriate training (available also in English).
- A good knowledge of office automation tools.

Knowledge of other systems such as Building Security systems (video surveillance, intrusion detection, access control, and building safety systems (fire detection, building evacuation, oxygen level control), HVAC control & regulation systems is an asset.

### **Additional requirements**

Applicants for this post must have:

- At least five, and preferably ten, years of relevant work experience.
- Excellent knowledge of electrical safety legislation and standards is required (i.e. European standard 50110 and Dutch standard NEN 3140) and either be in possession of the relevant Dutch certification or obtain it in the first six months of duty by following the appropriate training (available also in English).
- A good knowledge of office automation tools.

Knowledge of other systems such as Building Security systems (video surveillance, intrusion detection, access control, and building safety systems (fire detection, building evacuation, oxygen level control), HVAC control & regulation systems is an asset.

**Other information**

For behavioural competencies expected from ESA staff in general, please refer to the [ESA Competency Framework](#).

The working languages of the Agency are English and French. A good knowledge of one of these is required. Knowledge of another Member State language would be an asset. The Agency may require applicants to undergo selection tests.

**The closing date for applications is 6 May 2021.**

At the Agency we value diversity and we welcome people with disabilities. Whenever possible, we seek to accommodate individuals with disabilities by providing the necessary support at the workplace. The Human Resources Department can also provide assistance during the recruitment process. If you would like to discuss this further please contact us at [contact.human.resources@esa.int](mailto:contact.human.resources@esa.int).

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Please note that applications are only considered from nationals of one of the following States: Austria, Belgium, the Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Luxembourg, the Netherlands, Norway, Poland, Portugal, Romania, Spain, Sweden, Switzerland, the United Kingdom and Canada, Latvia and Slovenia.

According to the ESA Convention the recruitment of staff must take into account an adequate distribution of posts among nationals of the ESA Member States. When short-listing for an interview, priority will first be given to internal candidates and secondly to external candidates from under-represented Member States.  
(<https://esamultimedia.esa.int/docs/careers/NationalityTargets.pdf>)

In accordance with the European Space Agency's security procedures and as part of the selection process, successful candidates will be required to undergo basic screening before appointment.

Recruitment will normally be at the first grade in the band (A2); however, if the candidate selected has little or no experience, the position may be filled at A1 level.