

Job Title: Electrical Compliance Engineer

Req ID 661 - Posted 07/06/2017



EUROPEAN SPACE AGENCY

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. Applications from women are encouraged.

Post

Electrical Compliance Engineer

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

Location

ESTEC, Noordwijk, The Netherlands

Description

Electrical Compliance Engineer in the Infrastructure Section, ESTEC Estates & Facilities Management Division, Estates & Facilities Management Department, Directorate of Internal Services.

The European Space Research and Technology Centre in Noordwijk is the European Space Agency's largest site and approximately 2,800 people work there, many of them scientists and engineers. The site covers approx. 40 ha of land and has a wide variety of buildings covering a surface area of 130,000m². Besides offices, meeting rooms, conference rooms and ancillary facilities, ESTEC hosts numerous technical facilities including a very large and highly sophisticated Test Centre (for spacecraft and space hardware), complex, state-of-the-art laboratories at the leading edge of the space sector, computer rooms and the technical systems (power distribution and cooling, heating) needed to support them. The ESTEC electrical network consists of a 10kV distribution grid and low-voltage installations.

In terms of usage and distribution of electricity, ESTEC applies Dutch national health & safety legislation and has devised an ESTEC Electrical Policy to define roles and responsibilities within the organisation. The Electrical Compliance Engineer reports to the ESTEC FM Senior Electrical Engineer, who acts on behalf of the Head of Establishment as the nominated person in charge of the ESTEC Electrical Installations. The postholder will act as the assigned deputy to the Senior Electrical Engineer.

Duties

The Duties will include:

- creating excellent working relationships with a diverse internal customer group of scientists and engineers to promote the highest electrical safety standards on site;
- monitoring the implementation of the ESTEC Electrical Policy, checking and assessing the overall conformity of ESTEC electrical installations with it, developing best practices and managing Policy awareness and training, for electrical safety in particular;
- ensuring compliance of electrical equipment and installations with Dutch electrical norms and requirements for health & safety;
- monitoring and ensuring the integrity and safe operation of the electrical equipment and installations connected to the ESTEC General Infrastructure Electrical Installation (being authorised to assess the entire electrical installations on site);
- providing support and technical advice on the application of the Electrical Policy where required; having a support role in the design, development, refurbishment or implementation by the owners in charge of equipment or installations connected to the General Infrastructure Electrical Installation;
- assessing compliance with the Policy for all activities undertaken by equipment and installation owners to set up new installations and modifying or taking corrective actions on existing installations and equipment;
- supporting the FM Electrical Engineer in controlling electrical activities carried out on site for preventive, corrective and predictive maintenance, or adaptation of existing and new installations in the buildings, facilities and equipment connected to the ESTEC General Infrastructure.

Technical competencies

State-of-the-art knowledge in area of responsibility at required level

Electrical safety legislation

Operations of large electrical installations and networks

Health and safety

Behavioural competencies

Continuous learning

Planning & organisation

Problem solving

Communication

Relationship management

Responsible decision-making

Additional requirements

A minimum of five years' work experience in the field.

An excellent knowledge is required of electrical safety legislation with experience of inspecting generic and custom-made laboratory equipment and assemblies, including a good knowledge of the relevant European norms (EN50110) and the national norms and regulations (notably Dutch norms NEN 3140, NEN 1010, NEN 3840 and NEN-EN-IEC 61936) for technical installations and buildings.

The postholder shall have (or be in a position to obtain rapidly) the Dutch training certificate "Nominated person in control of an electrical installation and in control of a work activity" to manage autonomously, operate and supervise work on low-/high-voltage installations.

Experience of operations of large electrical installations and networks.

Applicants must be able to build good working relationships in an international and multicultural environment, assert their authority and take decisions.

A good knowledge of office automation tools is required.

Education

Applicants should have a Master's degree or equivalent qualification in electrical engineering.

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 application is 5 July 2017.

If you require support with your application due to a disability, please email contact.human.resources@esa.int.

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 and Slovenia.

Priority will first be given to internal candidates and secondly to external candidates from under-represented Member States.

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.