

## Component Engineer

**Job Req ID:** 15004

**Closing Date:** 22 March 2022

**Publication:** Internal & External

**Vacancy Type:** Permanent

**Date Posted:** 22 February 2022

Vacancy in the Directorate of Technology, Engineering and Quality.

ESA is an equal opportunity employer, committed to achieving diversity within the workforce and creating an inclusive working environment. We therefore 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, Netherlands

### Description

Component Engineer in the Components Section, Data Systems, Microelectronics and Component Technology Division, Electrical Department, Directorate of Technology, Engineering and Quality.

The Components Section provides functional support to ESA projects and carries out technological research (R&D) in the field(s) of electrical, electronic and electromechanical (EEE) components with a strong focus on technologies and processes, development and reliability, as well as on ground qualification activities.

If selected for this post, you will provide support in:

- the Generic EEE focal point domain for ESA projects;
- Preferably also active microwave or photonic EEE (microwave diodes and transistors, MMIC, microwave active hybrids, laser diodes, LEDs, photo diodes, detectors, optical fibres, etc.).

### Duties

Reporting to the Head of Section and within the technical fields described above, your main tasks and responsibilities will include:

- providing expert technical support and consultancy to ESA projects, programmes and general studies in the field of EEE components throughout all project phases;
- participating in feasibility studies, project reviews and the evaluation of procurement proposals;
- identifying critical development problems and assisting in their resolution;
- contributing to the definition of technology development requirements and work plans for the Agency's technology programmes;
- defining, initiating and managing R&D activities covering both long- and short-term needs;
- fostering new application areas for multidisciplinary activities, placing emphasis on innovative concepts, cutting-edge technologies and system architectures;
- supporting technology-domain-related standardization activities (e.g. ESCC, ECSS);

- initiating and monitoring of laboratory activities including preparation of test plans and review of test reports: laboratory activities, as required;
- monitoring applicable scientific and technological trends and maintaining state-of-the-art expertise;
- contributing to the dissemination of the results of the activities performed and the transfer of knowledge across the Agency.

Your duties may also include supporting other activities within your field of competence.

### **Technical competencies**

General background and specific experience in the technical domains covered by the position

Knowledge of related technologies, R&D trends and the industrial landscape

Project support experience in a relevant domain

Experience in laboratory activities and management

Experience in preparation of procurement activities for technology development and innovation (statements of work, proposal evaluation)

Experience in the management and monitoring of industrial activities, including participation in reviews

Experience with Space Engineering Standards and their preparation and implementation

### **Behavioural competencies**

Result Orientation

Operational Efficiency

Fostering Cooperation

Relationship Management

Continuous Improvement

Forward Thinking

### **Education**

A Master's degree in electronics engineering or a related subject is required.

### **Additional requirements**

Minimum 5 years' experience in EEE support to space projects.

Expertise in active microwave or photonic EEE engineering is an asset.

### **Other information**

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

For further information please visit: [Professionals](#), [What we offer](#) and [FAQ](#)

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.

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 email [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, Lithuania 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 or balanced 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 conducted by an external background screening service.

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.

\*Member States, Associate Members or Cooperating States.