

EUROPEAN SPACE AGENCY

System Engineer

Job Req ID: 13661

Closing Date: 19 November 2021

Publication: Internal & External

Vacancy Type: Permanent

Date Posted: 22 October 2021

Vacancy in the Directorate of Technology, Engineering and Quality.

ESA is an equal opportunity employer, committed to achieving diversity within the workforce & 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

Systems Engineer in the CubeSat Systems Unit, Projects Office, Systems Department, Directorate of Technology, Engineering and Quality.

The CubeSat Systems Unit is responsible for the project management and system engineering of CubeSat satellite missions for technology in-orbit demonstration implemented within the Directorate. The Unit also provides technical support to Programme Directorates, as required in the area of CubeSat Systems.

Duties

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

- managing and participating in the System team for the Unit's in-orbit demonstration CubeSat projects through all phases;
- providing expert technical support and consultancy to ESA projects, programmes and general studies in system engineering for in-orbit demonstration and CubeSat systems throughout all project phases;
- participating in feasibility studies, project reviews and evaluations of procurement proposals;
- contributing to the definition of technology development requirements and work plans for the Agency's technology programmes;
- initiating and managing R&D activities covering long- and short-term needs in CubeSat systems for in-orbit demonstration;
- monitoring applicable scientific and technological trends in CubeSat systems and technologies, maintaining state-of-the-art expertise.

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

Spacecraft systems knowledge
Hands-on hardware experience
Understanding of related technologies, R&D trends and the industrial landscape
Experience in managing and monitoring industrial activities, participation in reviews

Behavioural competencies

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

Education

A Master's degree in aerospace engineering or a major scientific discipline.

Additional requirements

Some experience in space projects, including a background in spacecraft system or subsystem design, engineering and verification aspects.
Specific knowledge of CubeSat systems and related miniaturised technologies, technology demonstration projects and industrial experience.
Some experience in propulsion integration at system level would be 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.

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.

Please note that applications are only considered from nationals of one of the following State 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

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.