

System Engineer

Job Req ID: 12184

Closing Date: 13 May 2021

Publication: Internal & External

Vacancy Type: Permanent

Date Posted: 15 April 2021

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. 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

System 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 in the Directorate. The Unit also provides technical support to Programme Directorates as required in the area of CubeSat Systems.

Duties

You will report to the Head of Unit and your main tasks and responsibilities, in the above technical fields, will include:

- Managing and participating in the System team for the Unit's in-orbit demonstration CubeSat projects in 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, and maintaining state-of-the-art expertise.

Duties may also include providing support to other activities in your area of competence.

Technical competencies

General background and specific experience in the technical domains covered by the position
Project support experience in a relevant domain
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 AIV aspects.
Specific knowledge of CubeSat Systems and related miniaturised technologies, technology demonstration projects and industrial experience.
Some experience in deep-space mission design and development, including relevant risk reduction measures.

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 at 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, 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.

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