

Job Title: System Engineer

Job Requisition ID 10925 - Posted 03/11/2020



EUROPEAN SPACE AGENCY

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. Applications from women are encouraged.

Post

System Engineer,
This position is classified A2-A4 on the Coordinated Organisations' salary scale.

This position forms part of ESA's Advance Recruitment Scheme which is established to provide appropriate staffing resources when requirements materialise.

Appointments are therefore made for an initial duration of two years upon which you may be appointed to a permanent post at the Agency.

Location

ESTEC, Noordwijk, The 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

You will report to the Head of Unit and, within the technical areas described above, your main tasks and responsibilities 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 supporting other activities within 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 and practical experience with related technologies, R&D trends and the industrial landscape

Experience in managing and monitoring industrial activities, participation in reviews

Behavioural competencies

Teamwork
Customer Focus
Innovation & Creativity
Problem Solving
Planning & Organisation

Education

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

Additional requirements

Experience in space projects, including a background in spacecraft system or subsystem design, engineering and verification aspects; Specific knowledge of CubeSat systems & related miniaturised technologies, technology demonstration projects and industrial experience;

Knowledge and experience in design, development and verification of avionics, including AOCS/GNC/FDIR functions, preferably for CubeSats, 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.

The closing date for applications is 1 December 2020.

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, 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.