

Job Title: System Engineer

Requisition ID 12183 - Posted 19/02/2021



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. 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.

Post System Engineer

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

Location

ESTEC, Noordwijk, The Netherlands

Description

System Engineer in the Proba-3 Unit, Projects Office, Systems Department, Directorate of Technology, Engineering and Quality.

The Proba-3 Unit is responsible for the project management and system engineering for the Proba-3 project. The Proba-3 project has entered phase D, with AIV/AIT of the space and ground segment, to be followed by the launch campaign and in-orbit commissioning. The Unit also provides technical support to Programme Directorates as required in the area of small sats and in-orbit demonstration missions.

Duties

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

- Managing activities and participating in the System team for the Proba-3 project, including coordination of expert support from the engineering departments in your area of responsibility;
- Providing technical support and consultancy to ESA projects, programmes and general studies in system engineering for in-orbit demonstration and small satellites throughout all project phases;
- Participating in feasibility studies, project reviews and evaluations of procurement proposals;
- Initiating and managing R&D activities covering long- and short-term needs in small satellites for in-orbit demonstration;
- Monitoring applicable scientific and technological trends and maintaining state-of-the-art expertise;
- Contributing to dissemination of the results of the activities performed and the transfer of knowledge across the Agency.

Your first assignment upon take-up duty will be on Proba-3.

Your 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

Spacecraft systems knowledge

Experience in satellite AIV/AIT activities

Hands-on hardware experience

Experience in the development and verification of space hardware

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 is required.

Additional requirements

A background in spacecraft system or subsystem design, engineering and verification aspects.
Experience in avionics sub-system
Some experience in space projects in phase D (AIV/AIT) and/or phase E1.
Knowledge and hands-on experience in the design, development and verification of a satellite subsystem, preferably in avionics.

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 19 March 2021.

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.