

Job Title: System Engineer

Req ID **10049** - Posted **23/06/2020**

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.

It 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 after which you may be appointed to a permanent post at the Agency.

Location

ESA Headquarters, Paris, France

Description

System Engineer in the Advanced Concepts and Studies Office, Systems Department, Directorate of Technology, Engineering and Quality.

The Office provides support to ESA programmes, projects and carries out technological research (R&D) and system studies. It ensures the overall coordination, coherence and performance of programme and corporate studies as support for preparing the Agency's future activities, in line with ESA's long-term strategic objectives and priorities. It is responsible for managing Discovery and Preparation elements within Basic Activities in support of all the Agency's programmes and the Director General.

Duties

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

- supporting the preparation, procurement and implementation of pre- and Phase A of the Preparation element of Basic Activities in support of future ESA missions;
- supporting the preparation, procurement and implementation of technology developments of the Discovery element of Basic Activities in support of future ESA missions;
- providing expert support to the organisation and conducting calls for ideas especially via ESA's Open Space Innovation Platform (OSIP), evolving the Platform according to ESA objectives, user needs and technical trends;
- contributing to the definition of technology development requirements, roadmaps and work plans for the Agency's Technology programmes;
- fostering new application areas for multidisciplinary activities, placing emphasis on innovative concepts, cutting-edge technologies and system architectures;
- monitoring applicable scientific and technological trends maintaining state-of-the-art expertise;
- monitoring implementation of Discovery/Preparation activities in close coordination with the Project Controller;
- contributing to the achievement of the strategic, organisational and financial objectives of the Discovery and Preparation elements;
- contributing to internal and delegation reports on Discovery/Preparation;
- contributing to the dissemination of the results of activities performed and the transfer of knowledge across the Agency.

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

Technical competencies

General background and specific experience in the technical domains covered by the position
Experience with the design, development and application of relevant tools and methods

Understanding of related technologies, R&D trends and the industrial landscape
Spacecraft systems knowledge
Experience in the preparation of procurement activities for technology development and innovation (statements of work, proposal evaluation, etc)
Experience in the management and monitoring of industrial activities, including participation in reviews

Behavioural competencies

Teamwork
Innovation & Creativity
Problem Solving
Results Orientation
Planning & Organisation
Continuous Learning

Education

You should have a Master's degree in aerospace engineering.

Additional requirements

Experience in organising and implementing workplans.
Experience and expertise in open innovation processes and tools.
Experience in reporting to delegate bodies.
Experience in coordinating technical and scientific advisors.

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 21 July 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, Canada 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.

(<http://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.