

Job Title: Systems Engineer

Req ID 4921 - Posted 12/02/2018



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

Systems 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 the selected candidate may be appointed to a permanent post at the Agency.

Location

ESTEC, Noordwijk, The Netherlands

Description

Systems and CDF Engineer in the TEC-SYE (Systems and Concurrent Engineering) Section, TEC-SY Division, TEC-S Department, Directorate of Technology, Engineering and Quality.

The Section provides functional support to ESA projects, performs feasibility studies of potential future space missions using the Concurrent Design facility (CDF) and carries out technological research (R&D) in the fields of systems and concurrent engineering, as well as developing design models and methodologies.

Duties

Reporting to the Head of Section and within the technical fields described above, the main tasks and responsibilities of post holder will include:

- providing expert technical support and consultancy to ESA projects, programmes and general studies in the fields of systems and concurrent engineering throughout all project phases;
- participating in feasibility studies, project reviews and evaluation of procurement proposals;
- identifying project critical development issues problems and assisting in their resolution;
- contributing to the definition of technology development requirements and work plans for the Agency's technology programmes;
- defining, initiating and managing R&D activities covering both long- and short-term needs;
- fostering new application areas for multidisciplinary activities, placing emphasis on innovative concepts, cutting-edge technologies and system architectures;
- monitoring applicable scientific and technological trends and maintaining a state-of-the-art expertise;
- supporting the Directorate's activities as requested within the Engineer's filed of competence;
- contributing to the dissemination of the results of the activities performed and knowledge transfer across the Agency.

Technical competencies

General background and specific experience in the technical domains covered by the position

Project support experience in a relevant domain

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

Experience with Space Engineering Standards and their preparation and implementation

Behavioural competencies

Communication

Teamwork

Customer Focus

Innovation & Creativity

Results Orientation

Continuous Learning

Education

A Master's degree or equivalent qualification in engineering or physics is required.

Additional requirements

Knowledge of the following technical domains is required:

Systems engineering, mission analysis and design, design methodologies and system modelling, concurrent engineering processes and related IT tools/infrastructure, mission feasibility studies.

Knowledge is required of space project life-cycles, including mission/system conceptual design and trade-offs, later phases, reviews, requirements flow.

Some years experience in (one of more of) the above fields/activities is considered 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 12 March 2018.

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, Slovenia, 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. Priority will first be given to internal candidates and secondly to external candidates from under-represented Member States when short-listing for interview.

(<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.