

Job Title: AIV Engineer

Req ID 4943 - Posted 15/06/2018



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

AIV Engineer

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

Location

ESTEC, Noordwijk, The Netherlands

Description

AIV (Assembly, Integration & Verification) Engineer in the Test Support Section, ESTEC Test Centre Division, Mechanical Department, Directorate of Technology, Engineering and Quality.

The Test Support Section provides functional support to ESA projects and carries out technological research (R&D) in the domain of AIV/AIT.

Duties

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

- providing expert technical support and consultancy to ESA projects, programmes and general studies in the field of AIV/AIT throughout all project phases, in particular:
 - capturing and reviewing requirements related to the satellite AIV/AIT phase and following their implementation
 - ensuring the definition and implementation of a satellite AIV programme which meets technical and programmatic requirements and considers the adequacy of model philosophy, facilities, planning and costing
 - supporting the preparation, organisation and execution of launch campaigns
 - providing engineering support for test planning, test preparation, test execution and test result analysis for mechanical, thermal and electromagnetic testing of satellite systems/sub-systems
 - supporting definition and feasibility studies run in the Concurrent Design Facility at ESTEC
 - participating in project reviews and evaluation of procurement proposals, in particular with respect to launch services and ground support equipment
 - identifying critical development problems and assisting in their resolution;
- participating in the development of engineering standards;
- 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 state-of-the-art expertise;
- contributing to the dissemination of the results of the activities performed and the transfer of knowledge across the agency

Technical competencies

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

Hands-on hardware experience

Project support experience in a relevant domain

Experience with laboratory or field testing of relevant technical equipment

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

Customer Focus

Ambassadorship

Problem Solving

Innovation & Creativity

Results Orientation

Additional requirements

Candidates are required to have knowledge and/or experience in the following domains:

- Environmental testing of space hardware
- Satellite verification engineering
- Mechanical ground support equipment (MGSE)
- Environmental testing tools and infrastructure
- ESA and industrial development, verification and procurement processes
- Launch campaign preparation and execution
- ECSS standards.

Solid experience in satellite level AIV/AIT and environmental verification testing is required, as well as experience of at least one complete satellite test and launch campaign in an AIT/AIV role.

Education

Applicants should have a Master's degree or equivalent qualification in aerospace or mechanical engineering.

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 13 July 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, Spain, Sweden, Switzerland, the United Kingdom and 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.