

AIV Engineer

Job Req ID: 11948

Closing Date: 11 May 2021

Publication: Internal & External

Vacancy Type: Permanent

Date Posted: 13 April 2021

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.

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, 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 R&D in AIV/AIT, focusing mainly on environmental testing.

Duties

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

- providing expert technical support and consultancy to ESA projects, programmes and general studies in the area of AIV throughout all project phases;
- supporting definition and feasibility studies for new missions run in the Concurrent Design Facility at ESTEC;
- identifying critical development problems and assisting in their resolution;
- 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;
- providing engineering support for the planning, preparation, execution and results analysis of tests as part of the mechanical, thermal and electromagnetic testing of satellite systems/subsystems;
- supporting the preparation, organisation and execution of launch campaigns;
- participating in feasibility studies, project reviews and evaluation of procurement proposals;
- participating in the development of engineering standards;
- defining, initiating and managing R&D activities covering both long- and short-term needs;

- contributing to the definition of technology development requirements and work plans for the Agency's technology programmes;
- 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.

Your duties may also include supporting other activities within your field of competence.

Technical competencies

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

Hands-on hardware experience

Environmental testing for space hardware

Experience in the development and verification of space hardware

Spacecraft systems knowledge

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

Result Orientation

Operational Efficiency

Fostering Cooperation

Relationship Management

Continuous Improvement

Forward Thinking

Education

A Master's degree in aerospace- or mechanical engineering is required.

Additional requirements

Candidates are required to have knowledge of and experience in the following:

- Environmental testing of space hardware (vibration, acoustic, shock, thermal vacuum, EMC)
- Satellite verification engineering
- Mechanical ground support equipment development
- Launch campaign preparation and execution.

Solid experience in satellite AIV and environmental verification testing is required with, preferably, completion of at least one full satellite test campaign and one launch campaign in an AIT/AIV role.

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.

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.

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