

Job Title: Electrical & Functional AIT Engineer

Requisition ID 11061 - Posted 17/11/2020



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

Electrical & Functional AIT Engineer

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

Location

ESTEC, Noordwijk, The Netherlands

Description

As Electrical & Functional AIT Engineer for the Euclid Project, you will be assigned as integrated support. You will report functionally to the Euclid AIV & Launcher Campaign Manager, but will also work closely with other members of the Euclid team and in particular with the Operations Manager and the Spacecraft Engineering Manager. Close interaction is expected with the Euclid Mission & Payload teams, the Euclid Operations team, the related Industrial teams, the Test Directors and the Product Assurance & Safety team.

Euclid is the second medium size mission under the Agency's Cosmic Vision Science Programme and will map the dark Universe through a combination of Visible and NIR imaging and spectroscopic galaxy surveys. The project development is now in advanced Phase D, where all the flight units have been procured, and integration and testing is in progress.

Training and familiarisation with the parent Department's mandate, processes and procedures will be provided at the start of this assignment.

Duties

You will be part of the Ground Software Systems & Functional Verification Section in the Directorate of Technology, Engineering & Quality. This Section provides expert support in the area of Electrical and Functional AIT to most programmes of the Agency. You will be initially assigned to Euclid where you will be responsible for activities related to electrical and functional testing and for verification of the Euclid spacecraft, Avionic Models (AVMs), Service Module (SVM) and Payload Module (PLM). You will support the definition, organisation and execution of associated test and verification campaigns.

Duties include:

- following the integration and test campaigns in person at the contractor site
- supporting the launch campaign
- defining and coordinating test plans, test cases and test procedures for functional testing at spacecraft, SVM and PLM level
- supporting the planning of associated test campaigns in accordance with the System Integration and Verification Plan
- supporting the coordination and execution of integration, test, launch campaign and related reviews
- following up on the closure of system NCRs resulting from tests in coordination with the Product Assurance team
- ensuring proper implementation of verification information (reviews, test results, engineering assessments, NCRs, etc.) in the system VCDs
- ensuring traceability between the system design documentation and the system verification documentation
- regularly participating in meetings with the TEC parent section, contributing to the dissemination of results of activities performed and knowledge transfer across and outside the Agency in accordance with management approval.

Technical competencies

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

Solid experience in spacecraft integration, verification and test activities
Knowledge of ESA and industrial development and verification processes
Space system development and design
Experience with space engineering, PA Standards their implementation and verification

Behavioural competencies

Teamwork
Communication
Results Orientation
Problem Solving
Planning & Organisation
Responsible Decision-Making

Education

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

Additional requirements

Since most of the activities relevant to this post will take place abroad, you should be prepared to travel on a regular basis and be co-located for extended periods.

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 16 December 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 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.