

EUROPEAN SPACE AGENCY

Vacancy in the Directorate of Earth Observation Programmes

The European Space Agency is an equal opportunity employer and encourages applications from women

POST

AIV Senior Engineer in the Sentinel 5 Project, GMES Space Component Space Segment Programme, Earth Observation Projects Department, [Directorate of Earth Observation Programmes](#).

This post is classified in the A2–A4 grade band of the Coordinated Organisations' salary scale.

LOCATION

ESTEC, Noordwijk (Netherlands).

DUTIES

The GMES Sentinel-5 instrument is an element within the Agency's Global Monitoring for Environment and Security (GMES)/Copernicus Space Components (CSC) Programme. It will be embarked on Metop-SG satellite A, which is being developed under ESA's Metop Second Generation programme.

The postholder will report to the Sentinel-5 System Engineering Manager.

Duties include responsibility for all AIV activities aimed at the timely definition, development, implementation, verification and qualification of the design and timely calibration of the Sentinel-5 instrument, consistent with GMES Copernicus mission requirements, system interfaces and the technical/programmatic constraints of Metop-SG satellite development.

Responsibilities will notably include:

- ensuring a low-risk, low-cost and time-efficient AIV programme resulting in timely delivery of a fully-verified and qualified instrument;
- reviewing and controlling the instrument AIV plans and schedule at system/ sub-system level and assessing their robustness, completeness, coherence and realism to ensure timely delivery of a fully-verified, validated and qualified instrument;
- reviewing and controlling the instrument calibration plans and schedule at system/sub-system level, in coordination with the Instrument Performance Engineer, ensuring timely delivery of a fully-calibrated instrument;
- providing early warning of potential problem areas and ensuring that appropriate mitigation actions are identified and implemented. Estimating, at every stage of programme execution, the risks and benefits associated with any proposed deviation from the original nominal verification plan;
- controlling and coordinating all Assembly, Integration, Verification and qualification issues at instrument and subsystem level, ensuring that a consistent approach to AIV/AIT implementation is applied throughout the industrial consortium;
- ensuring the industrial plans for integration, testing, facilities and associated ground support equipment (GSE) are fully consistent with technical and programmatic needs;

- supporting the procurement process for all GSE elements and test facilities, including the review of procurement documentation, tender evaluation and participation in industrial negotiations, as required by ESA's Code of Best Practices;
- supporting the procurement process for all GSE and test facilities required for instrument calibration, in coordination with the Instrument Performance Engineer;
- maintaining close coordination with the Metop-SG project to ensure a coherent and acceptable approach to AIT activities;
- ensuring timely availability of industrial long-term storage plans and implementation of specific storage requirements and constraints;
- coordinating with the Sentinel-5 Product Assurance & Safety Engineer for monitoring major tests and timely processing of NCR reports as appropriate;
- supporting the Instrument System Engineering Manager in organising and conducting Sentinel-5 system instrument reviews, in coordination with the Prime Contractor and relevant stakeholders

QUALIFICATIONS

Applicants for this post should have a Master's degree or equivalent qualification in a relevant engineering field, together with extensive experience of defining and implementing AIV activities.

Candidates shall have good practical and analytical skills as well as a demonstrated ability to work within a complex and highly interactive programme structure. They are expected to demonstrate good organisational skills and resourcefulness.

The working languages of the Agency are English and French. A good knowledge of one of these languages is required. Knowledge of another Member State language would be an asset.

CLOSING DATE

The closing date for applications is **10 June 2015**.

Applications from external candidates for this post should preferably be made [online](#) from the ESA website (www.esa.int/careers). Those unable to apply online should submit their CV to Human Resources, ESTEC, Keplerlaan 1, 2201 AZ Noordwijk ZH, The Netherlands.

ESA staff members wishing to apply for this post should fill in the [Internal Application Form](#) and email it to [Apply2ESTEC](#).

The Agency may require applicants to undergo selection tests.

Under ESA Regulations, the age limit for recruitment is 55. Please note that applications are only considered from nationals of one of the following States: Austria, Belgium, the Czech Republic, Denmark, Finland, France, Germany, Greece, Ireland, Italy, Luxembourg, the Netherlands, Norway, Poland, Portugal, Romania, Spain, Sweden, Switzerland, the United Kingdom and Canada.

Priority will first be given to internal candidates and secondly to external candidates from under-represented Member States.

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.