

ESA/VN-ESTEC(2006)144  
Paris, 14 December 2006  
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## **EUROPEAN SPACE AGENCY**

### **Vacancy in the Directorate of Technical and Quality Management**

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

**POST** Antenna Engineer in the Electromagnetics Division of the Electrical Engineering Department, Directorate of Technical and Quality Management.

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

**LOCATION** ESTEC, Noordwijk (the Netherlands).

**DUTIES** The post holder will be initially assigned as integrated support with the function of Antenna Engineer and will report to the head of Payload Section of the GMES Sentinel-1 Project Division, Earth Observation Projects Department, Directorate of Earth Observation Programmes for the project specific responsibilities and duties.

The post holder will be responsible for the design, development, manufacturing, test and characterisation of the antennas within the Sentinel-1 Project.

The responsibilities include in particular:

- monitoring the industrial activities related to the Sentinel-1 on-board antennas and components;
- supervising the flow-down of the payload requirements onto the antenna subsystems, equipment and component level;
- monitoring the manufacturing, integration, tests and delivery of the components, equipment and subsystems that will constitute the payload antenna, through the different development models, ensuring adequate planning and progress of work;
- supervising the overall payload antenna characterisation definition, and monitoring the characterisation of the components as required;
- ensuring that the required MGSE and EGSE are adequately defined, developed and verified according to the required specification and the required programme of work, in particular the instrument simulator;
- ensuring that the antenna related requirements are being appropriately fulfilled at all levels of industrial activity for all on-board antennas;

- supporting the definition of the Payload Assembly, Integration, Characterisation, Calibration and Verification approach;
- supporting aspects related to the definition of the S-Band, X-Band and GNSS antennas;
- reviewing the project documentation produced throughout the project lifetime;
- participating in project meetings and reviews.

The post holder will draw on the support of specialised engineers and will liaise closely with other members of the project team and in particular provide technical advice and support to ensure that all deliverables have been produced and verified in accordance with the relevant requirements.

## **QUALIFICATIONS**

Applicants should have a university degree or equivalent qualification in electrical engineering field together with sound understanding and experience in the development of active microwave antennas (particularly phased arrays), as well as experience in the development and testing of space hardware. Good command of the SAR theory, together with experience in the field of Synthetic Aperture Radars is an asset. A good knowledge of industrial practices is highly desirable.

Applicants should have good interpersonal skills with the ability to work effectively both autonomously and in a team setting. Applicants should have good communication skills, be self-motivated and have a pro-active approach. This position requires travel within Europe.

The working languages of the Agency are English and French. A good knowledge of one of these two languages is required together with a working knowledge of the other language. Knowledge of another Member State language is an asset.

## **CLOSING DATE**

The closing date for applications is **13 January 2007**.

Applications from external candidates for this post should preferably be made [on-line](#) at the ESA Web Site ([www.esa.int/careers](http://www.esa.int/careers)). Those unable to apply on-line should submit their CV to the Head of the Human Resources Division, 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, which can be downloaded from <http://ids2.estec.esa.int/apply> and email it to [Apply2ESTEC](#).

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**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, Denmark, Finland, France, Germany, Greece, Ireland, Italy, Luxembourg, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, The United Kingdom and Canada.**

**Priority will be first given to internal candidates and secondly to external candidates from under-represented member states.**