

## **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**

Systems/Spacecraft Engineer in the Systems and Cost Engineering Division, Systems, Software and In-Orbit Demonstration 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 (Netherlands) with resident assignment to ECSAT, Harwell (United Kingdom).

#### **DUTIES**

The postholder will initially be assigned as Spacecraft Engineer in the Platform Technologies and Products Section, Technologies and Products Division, Telecommunications Technologies, Products and Systems Department of the [Directorate of Telecommunications and Integrated Applications](#), and will report to the Head of the Platform Technologies and Products Section.

Specific duties will include:

- managing activities related to the development of communication satellite platform technology and products in the ARTES 5.1, 5.2 and 3-4 budget lines.
- initiating activities related to spacecraft technology and product development for telecommunication satellites in collaboration with the Procurement Department and other relevant ESA departments;
- establishing and controlling relevant ESA requirements, specifications and general documentation;
- negotiating, monitoring and controlling contracts and activities related to technology and product development for telecommunication satellites;
- providing input to status reports of the ARTES activities;
- identifying and defining the spacecraft technology needs of future satellite communication satellites;
- supporting the preparation of the ARTES 5.1 annual work plan;
- coordinating the specialised engineering support provided by the Directorate of Technical and Quality Management in the appropriate areas of competence and liaising with specialists from other ESA departments, in particular the ESA Procurement Department, to ensure an effective initiation and management of activities;
- participating to periodic meetings with the parent section and contributing to the transfer of technical knowledge and lessons learned across the Agency.

**QUALIFICATIONS** Applicants for this post should have a Master's degree or equivalent qualification in a relevant field of engineering or physics.

Substantial industrial experience in the following fields is required:

- design and development of hardware for telecommunications spacecraft – for geostationary orbit, or for constellations of smallsats (50 – 500kg class) in low or medium Earth orbit;
- design and development of *at least two* of the following subsystems on telecommunication satellites:
  - structure;
  - power;
  - solar arrays;
  - thermal control;
  - mechanisms;
  - propulsion;
  - command and data handling;
  - attitude and orbit control;
- familiarity with the other telecommunication platform subsystems is desirable;
- management of development contracts for satellite platform equipment and software.

Candidates should have good interpersonal and communication skills. They should have the ability to work autonomously, effectively and cooperatively in a diverse and international team environment and to define and implement solutions in line with team and individual objectives and project deadlines.

In addition, applicants should have good analytical, organisational and reporting skills, a proactive attitude to solving problems and an interest in innovative technologies.

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 **8 September 2015**.

Applications from external candidates for this post should preferably be made [online](#) from the ESA website ([www.esa.int/careers](http://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.

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**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.**