

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

Chemical Propulsion Engineer in the Propulsion Engineering Section, Propulsion and Aerothermodynamics Division, Mechanical 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 (Netherlands).

DUTIES

The postholder will report to the Head of the Propulsion Engineering Section, and will undertake tasks assigned by him on technical support activities for projects and monitoring of ESA research and development (R&D) contracts.

The responsibilities of the incumbent will be to undertake assignments, as delegated by and in coordination with management, as follows:

- provide expert technical support and consultancy in launcher propulsion (liquid, including storable and cryogenic technologies, and solid propulsion) and spacecraft (various chemical propulsion technologies) to the Agency project teams responsible for the development of launchers and spacecraft, throughout all project phases;
- contribute to the preparation of work plans in the areas of launcher and spacecraft propulsion in the Agency's technological programmes, with a particular contribution expected on systems and new propulsion aspects;
- prepare and manage, from a technical perspective, ESA contracts for studies, experimental investigations and engineering development activities in space propulsion;
- contribute to the distribution of the results of the activities performed and the transfer of knowledge across the Agency.

QUALIFICATIONS

Applicants for this post should have a Master's degree or equivalent qualification in aerospace or mechanical engineering, with an emphasis on space-propulsion-related subjects. Candidates must have several years of experience in the design and development of chemical propulsion systems and components for launcher and/or spacecraft applications. Knowledge and experience in electric propulsion will be considered an asset.

Preference will be given to applicants with:

- a comprehensive system background, including an appreciation of the state of the art in space propulsion areas;
- a good knowledge of the specialist technological areas involved in space propulsion (including the assembly, integration and verification (AIV) and testing of propulsion systems and components);
- experience in the definition and specification of R&D activities in the space propulsion field.

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 **10 December 2014**.

Applications from external candidates for this post should preferably be made [online](http://www.esa.int/careers) from the ESA website (www.esa.int/careers). Those unable to apply online should submit their CVs 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 be given first 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.