

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** Power Conditioning Engineer in the Power Management & Distribution Section, Power Systems Division, Electrical Engineering Department, [Directorate of Technical and Quality Management](#).
- This post is classified in the A2-A4 grade band on the Coordinated Organisations' salary scale.
- LOCATION** ESTEC, Noordwijk (Netherlands).
- DUTIES** Reporting to the Head of Section, the postholder will be responsible for providing specialist support in all aspects of power electronics and associated technology to one or more spacecraft projects, and for preparing, monitoring and guiding applied research contracts in the field of power conditioning and distribution.
- The main tasks will be:
- maintaining state-of-the-art expertise and competence in power conditioning and distribution technologies;
 - establishing design standards, including specifications and guidelines;
 - providing power conditioning and distribution support to studies and approved ESA projects, including payload equipment;
 - driving development contracts related to future power conditioning and distribution concepts and technologies required for future ESA projects;
 - contributing to the dissemination of the results of activities performed and knowledge transfer across the Agency.
- QUALIFICATIONS** Applicants should have a Master's degree or equivalent in electrical or electronic engineering, or physics, plus significant experience of power electronics development.
- Preference will be given to candidates with:
- a strong background in power electronics with in-depth expertise in the state of the art, plus demonstrated experience of digital and analogue electronics and control theory;
 - experience of power electronics equipment design and testing, including practical knowledge of space environment effects and of interfaces with other spacecraft subsystems;

- a good knowledge of the specialist technological areas involved in spacecraft power conditioning equipment;
- experience in the definition and specification of R&D activities and/or industrial procurements;
- experience in computer simulation of electrical circuits at subsystem and equipment levels.

Knowledge of space power systems and experience in digital control of power regulators would be asset.

Applicants should have good interpersonal and communication skills and be able to work effectively, autonomously and cooperatively in a diverse and international team environment, defining and implementing solutions in line with team and individual objectives and project deadlines.

Candidates should also have good analytical, organisational and reporting skills, a proactive attitude to problem-solving and an interest in innovative technologies.

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.

CLOSING DATE

The closing date for applications is **30 August 2016**.

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

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

The Agency may require applicants to undergo selection tests.

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.

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.