

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 and 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 the Power Management and Distribution Section, the Power Conditioning Engineer will be responsible for providing specialist support in all aspects of power electronics and associated technology to one or more spacecraft projects, while additionally preparing, monitoring and guiding applied research contracts in the area of power conditioning and distribution.

The main tasks will be:

- maintaining state-of-the-art expertise and competence in the area of 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 to knowledge transfer across the Agency.

QUALIFICATIONS Applicants for this post should have a Master's degree or equivalent in electrical or electronic engineering or physics with experience in the development of power electronics.

Preference will be given to candidates with:

- experience in power electronics equipment design and testing, including a practical knowledge of the space environment's impacts and interfaces with other spacecraft subsystems;

- a good background in power electronics with in-depth expertise in the state of the art, together with good experience of digital and analogue electronics and control theory;
- a sound knowledge of the specialist technological areas involved in spacecraft power conditioning equipment;
- experience in the definition and specification of research and development activities.
- experience in computer simulation of electrical circuits.

Experience in digital control of power regulators would be an asset.

Applicants should have good interpersonal and communication skills. They should 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.

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 **8 September 2015**.

Applications from external candidates 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 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, 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.