

Lunar Pathfinder System Engineer

Job Req ID: 14645

Closing Date: 28 April 2022

Publication: Internal & External

Vacancy Type: Permanent

Date Posted: 31 March 2022

Vacancy in the Directorate of Technology, Engineering and Quality.

ESA is an equal opportunity employer, committed to achieving diversity within the workforce and creating an inclusive working environment. We therefore welcome applications from all qualified candidates irrespective of gender, sexual orientation, ethnicity, beliefs, age, disability or other characteristics. Applications from women are encouraged.

This post is classified A2-A4 on the Coordinated Organisations' salary scale.

Location

ESTEC, Noordwijk, Netherlands (*) or ESTEC, with resident assignment at ECSAT, Harwell, United Kingdom.

Description

Lunar Pathfinder System Engineer in the Systems Engineering Division, Systems Department, Directorate of Tech, Eng. & Quality, assigned as Integrated Support to the Commercialisation and Innovation Team, Directorate of Human & Robotic Exploration for an initial period of 4 years.

Duties

If appointed to this position, you will report to the Commercialisation and Innovation Team Leader, under whose delegated authority you will be technically responsible for the following duties:

- Leading the end-to-end implementation of all ESA-led Key Performance Gates reviews aimed at maturing, validating and establishing the Lunar Pathfinder communication services;
- Leading ESA engagement in all SSTL-led mission and system-level design reviews of the Lunar Pathfinder space and ground-segment.
- Coordinating all technical interfaces with NASA concerning the NASA provision of a Commercial Lunar Mission Service for delivering Lunar Pathfinder into its target orbit and validating that Lunar Pathfinder meets the CLPS provider ICD and agreed activities in the Joint Implementation & Management Plan;
- Coordinating, in close coordination with OPS, all technical interfaces with NASA concerning the SSTL provision of Lunar Pathfinder communication services to NASA assets prior to LP commissioning (task to be transferred to OPS after Lunar Pathfinder service commissioning);
- Coordinating the specialised engineering support from the Directorate of Technical and Quality Management for critical areas in system-level reviews and for support for CLPS provider activities;

- Maintaining the ESA Lunar Pathfinder service requirements and the ESA utilisation plan for Lunar Pathfinder.
- Providing technical expertise in the areas of mission analysis and operations;
- Supporting the Project Manager by contributing to Lunar Pathfinder Contract Change Boards and Engineering Change Boards;
- Other duties in your area of competence as may be required by the hierarchical superior in support of the project activities;
- Participating in periodic meetings with the parent Division, contributing to the transfer of technical knowledge and lessons learned across the Agency.

(* If “ESTEC is chosen as a location, frequent missions to SSTL (Harwell) will be required.

Technical competencies

System engineering and understanding of system requirements and interfaces

Service procurement

End-to-end technical review management

Space system development

ESA space systems development, verification and review processes and standards

Knowledge of industrial costs and schedule aspects

Mission analysis

Behavioural competencies

Result Orientation

Operational Efficiency

Fostering Cooperation

Relationship Management

Continuous Improvement

Forward Thinking

Education

A Master’s degree in engineering is required.

Additional requirements

Previous experience in the field of procurement of services, fast and agile development of small spacecraft and development of telecommunications payloads.

Candidates should have the ability to proactively engage and coordinate a diverse range of technical expert support and to work in partnership with industry.

Other information

For behavioural competencies expected from ESA staff in general, please refer to the [ESA Competency Framework](#).

For further information please visit: [Professionals](#), [What we offer](#) and [FAQ](#)

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.

The Agency may require applicants to undergo selection tests.

At the Agency we value diversity and we welcome people with disabilities. Whenever possible, we seek to accommodate individuals with disabilities by providing the necessary support at the workplace. The Human Resources Department can also provide assistance during the recruitment process. If you would like to discuss this further please contact us email contact.human.resources@esa.int.

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, Latvia, Lithuania and Slovenia.

According to the ESA Convention, the recruitment of staff must take into account an adequate distribution of posts among nationals of the ESA Member States*. When short-listing for an interview, priority will first be given to internal candidates and secondly to external candidates from under-represented or balanced Member States*.

(<https://esamultimedia.esa.int/docs/careers/NationalityTargets.pdf>)

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 conducted by an external background screening service.

Recruitment will normally be at the first grade in the band (A2); however, if the candidate selected has little or no experience, the position may be filled at A1 level.

*Member States, Associate Members or Cooperating States.