

Job Title: Launch System Engineer

Req ID 10044 - Posted 04/05/2020



EUROPEAN SPACE AGENCY

Vacancy in the Directorate of Space Transportation.

ESA is an equal opportunity employer, committed to achieving diversity within the workforce and creating an inclusive working environment. Applications from women are encouraged.

Post

Launch System Engineer

This post is for a limited duration of four years (non-renewable) and is classified A2-A4 on the Coordinated Organisations' salary scale.

Location

ESA Headquarters, Paris, France

Description

Launch System Engineer in the Ariane 6 Launch System Architect, Space Transportation Development Department, Directorate of Space Transportation.

Duties

The post is under the hierarchical responsibility of the Ariane 6 Launch System Architect Manager and integrated in the Ariane Project Team (APT) located at ESA HQD (HQ Daumesnil) premises in Paris. If successfully recruited to it, you will be responsible for the day-to-day management of tasks related to Ariane 6 launch system development activities including:

- analysis of compliance of the launch system design with ground and flight requirements applicable at CSG;
- supporting the activities of end-to-end verification of the launch system, including compliance with CSG regulations;
- participating in and steering of working groups with experts from the Ground and Space Segment, from the prime contractors and CSG;
- supporting the LSA Manager in the preparation of management meetings dedicated to exploitation authorisations;
- defining and maintaining performance indicators concerning the implementation of LSA activities;
- interfacing with the Launch System Verification and Launch System Integration and Test teams to ensure that they meet the applicable CSG regulations;
- defining and steering the necessary launch system workplans to ensure that HLR concerned with dependability are properly flowed down to products and are finally fulfilled through the development activities; participating in any Launch System combined tests and maiden flight campaign;
- procuring, whenever necessary, technical assistance tasks in their domain of competence from specialised companies;
- being the LSA focal point of interface with CNES Technical Conformity representatives, in particular for testing activities;
- interfacing with the Space Transportation PA, S&Q Management Office to coordinate on LSA engineering activities and producing, updating or exploiting lessons-learned files that could be of interest for other Projects/Departments/Directorates of ESA.

In performing these duties, you will:

- support Ariane 6 Configuration Control Boards as well as Launch System Integrated Verification and Validation to validate any proposed change of the Launch System baseline and the consistency with safety and security regulations of any proposed verification and validation activity;
- monitor the schedule, risks and cost-effective implementation of the relevant procurements as well as maintain up-to-date related technical budgets;
- support launch system risk management for the topics under their responsibility;

- coordinate technical assistance from the Directorate of Technology, Engineering and Quality Management (D/TEC), CNES/Direction des Lanceurs and industry partners in the appropriate areas of competence.
- approve technical notes prepared by the technical assistants.

Technical competencies

Multi-disciplinary knowledge of area of responsibility
Knowledge of industrial costs and schedule aspects
Knowledge of other technical domains with interfaces to own area of responsibility
Space system development and PA standards
Complex project risk management processes
Knowledge of ESA and industrial development, verification and procurement processes

Behavioural competencies

Communication
Planning & Organisation
Problem Solving
Responsible Decision-Making
Results Orientation
Teamwork

Education

You should have a Master's degree or equivalent qualification in space engineering.

Additional requirements

You should have 5+ years experience in development of safety critical systems with good knowledge of space transportation systems.

Furthermore you shall have:

- good system engineering skills, notably concerning Space Transportation Systems development life-cycle and most importantly the hazards involved
- a proficient knowledge of relevant analysis techniques (Risk Analysis, Hazard Analysis, etc.)
- a good mastery of a Launch Campaign environment and framework.
- good skills and sensitivity to the use of digital data treatment processes and tools.

You shall be able to undertake travel to French Guiana with a duration that may extend over several weeks.

Other information

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.

The Agency may require applicants to undergo selection tests.

The closing date for applications is 1 June 2020.

If you require support with your application due to a disability, please 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 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 Member States.

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

In view of the limited duration of this post, internal candidates are strongly advised to contact their HR advisor before applying.

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.

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.