

Vega and Space Rider Launcher System Senior Engineer

Job Req ID: 12602

Closing Date: 28 June 2021

Publication: External Only

Vacancy Type: Fixed-Term

Date Posted: 14 June 2021

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. For this purpose, we 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 for a limited duration of 4 years (non-renewable) and is classified A2-A4 on the Coordinated Organisations' salary scale.

Location

ESRIN, Frascati, Italy

Description

Vega Launcher and Space Rider Senior System Engineer, Vega Launcher and Space Rider System Engineering, Vega Programmes, Flight Programmes, Directorate of Space Transportation

Duties

You will be responsible for:

- Supporting the Vega Launcher and Space Rider System Engineering Manager in the technical activities required to ensure adherence to the Programme milestones (i.e. VEGA-C, VEGA-CIP, VEGA-E, Space Rider design, development, ground qualification, assembly, integration, testing in Europe and in Guiana, flight qualification, and post-flight activities). Also supporting Vega competitiveness improvement, evolutions strategies and logics;
- Technical support activities and industry follow-on, in particular in the domains of launcher environment, transient phases, separations, aerodynamic and aerothermal. This will include:
 - the relevant trade-offs on potential evolutions of architectures and technologies, including recurring and non-recurring cost aspects;
 - identifying the technical requirements and relevant breakdown within the domain of responsibility, including evolutions;
 - elaborating the statements of work for all industrial procurements (e.g. contracts, riders, CCNs, work orders) in the domain of responsibility;
 - assessing industrial proposals and requests for changes;
 - implementing in a timely fashion the industrial activities at Prime level, as well as at subcontractor level, if necessary, in the domain of responsibility;
 - organising and leading all major industrial meetings at system and, if necessary, subsystem, assembly, unit/equipment levels in the domain of responsibility;
 - all major programme reviews at system level and, if necessary, at subsystem, assembly, unit and equipment levels in the domain of responsibility;

- reviewing all industrial deliveries produced for all major programme meetings and reviews at system level and, if necessary, at subsystem, assembly, unit and equipment levels in the domain of responsibility;
- identifying the risks and risk mitigation actions for implementation in the domain of responsibility;
- Management of all Launcher System engineering technical activities required to ensure the timely achievement of all key Exploitation Programme milestones, by:
 - supporting production, mission preparation, operations, and flight exploitation in the domain of responsibility, as needed;
 - assessing flight anomalies in the domain of responsibility;
 - assessing production obsolescence in the domain of responsibility;
 - contributing to the elaboration of the Launch Vehicle Qualification Certificate in the domain of responsibility;
- Systematic exhaustive reporting of the status and criticalities of the activities in the domain of responsibility

Technical competencies

Multi-disciplinary knowledge of the area of responsibility

Knowledge of ESA and industrial development, verification and procurement processes

Knowledge of industrial costs and scheduling

Knowledge of other technical domains with interfaces to own area of responsibility

ESA space systems development, verification and review processes and standards

Behavioural competencies

Result Orientation

Operational Efficiency

Fostering Cooperation

Relationship Management

Continuous Improvement

Forward Thinking

Education

A Master's degree in engineering is required for this post.

Additional requirements

A minimum of ten years direct experience in space systems development within industry and/or within ESA programmes

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.

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 at 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 Member States. (<https://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.

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