

## **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** Vega GNC and Functional Engineer in the VEGA Launcher System Development Avionics, Vega and Space Rider Development Programmes, Space Transportation Development Department, [Directorate of Space Transportation](#).

This post is classified in the A2–A4 grade band on the Coordinated Organisations' salary scale.

**LOCATION** ESRIN, Frascati (Italy).

**DUTIES** Under the authority of the VEGA Launcher System Development Avionics Manager, the postholder will be involved in Vega Development and Exploitation activities.

Within the frame of the Vega development, the range of activities encompasses the development of Vega-C, Vega-E and relevant Vega spin-offs (e.g. Space Rider, SSMS dispenser, Venus) in the field of functional avionics equipment (e.g. onboard computer, multi-functional inertial and reference units, communication bus, power subsystems), Guidance, Navigation & Control algorithm engineering and system EMC engineering.

Specific responsibilities will include:

- managing the technical activities related to the design, development, qualification, assembly, integration, testing in Europe and French Guiana, acceptance, flight and post-flight of the GNC and functional systems under the abovementioned range of activities;
- tasks will include the following contributions:
  - trade-off analysis of potential evolutions of architectures and technologies, including recurrent and non-recurrent cost aspects;
  - apportioning technical requirements from system level to GNC and functional subsystems, defining the relevant internal and external interface specifications, from launch system down to launcher system & subsystems, launch base, launch range;
  - drafting of statements of work, evaluating industrial offers, negotiating industrial contracts, evaluating industry deliverables;
  - preparing the relevant development milestones, including specific project reviews at system and subsystem(s) levels, within this area of responsibility;

Within the frame of the Vega exploitation, the range of activities encompasses technical management of the GNC and functional systems in Vega Production.

Duties notably include:

- monitoring the manufacture and acceptance of Vega elements, ensuring compliance of the mission-specific configuration with the product(s) qualification range;

- technical guidance on dealing with flight anomalies/non-conformances, assessment of requests for waivers/deviations;
- assessment of revisions of the definition (ECP) of GNC and functional systems and their possible impact on the Vega launch vehicle's qualification status;
- following up technical activities related to dealing with components obsolescence and actions aimed at reducing recurrent costs during the exploitation phase.

## QUALIFICATIONS

Applicants for this post should have a Master's degree or equivalent qualification in a relevant engineering field, with a strong background in the design, development, assembly, integration, testing and acceptance of GNC and functional systems for space transportation applications.

Consolidated experience within the European launchers sector is an asset, preferably coupled with familiarity in one or more space transportation spin-off applications (i.e. atmospheric re-entry and/or small space-crafts missions).

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 **11 May 2017**.

Applications from external candidates should preferably be made [online](#) from the ESA website ([www.esa.int/careers](http://www.esa.int/careers)). Those unable to apply online should submit their CV to Human Resources, ESA-ESRIN, Via Galileo Galilei, 00044 Frascati, Italy.

ESA staff members wishing to apply should fill in the [Internal Application Form](#) and email it to [Apply2ESRIN](#).

The Agency may require applicants to undergo selection tests.

If you require support with your application due to a disability, please email [contact.human.resources@esa.int](mailto:contact.human.resources@esa.int).

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**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, Slovenia, 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.**