

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 Mechanical Systems Engineer in the Vega Launcher Stages Engineering, 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 Stages Engineering Manager, the postholder will be involved in Vega Development and Exploitation activities.

Under 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 primary cold structures (e.g. thrust-frames, skirts, inter-stages, fairing, payload adapters, dispensers), thermal protection and layout (incl. secondary structures).

Specific responsibilities will include:

- managing the technical activities related to the design, development, qualification, assembly, integration, testing, acceptance flight and post-flight of the mechanical systems for the abovementioned range of activities;
- main tasks will include the following contributions to:
 - trade-off analysis at mechanical systems level, in particular regarding subsystems/equipment layout, recurrent and non-recurrent cost aspects;
 - apportioning technical requirements from system level to mechanical subsystems, defining the relevant internal and external interface specifications, from launch system down to launcher system & subsystems, launch base, launch range;
 - drafting statements of work;
 - evaluating industrial offers, negotiating industrial contracts and evaluating industry deliverables;
 - preparing and implementing the main project milestones, including specific project reviews at system and subsystem(s) levels, in the area of responsibility;
- supporting the VEGA Launcher Stages Engineering team in the design and qualification of structural elements of liquid-propulsion systems (tanks, vessels) and solid rocket motor casing.

Under Vega Exploitation, the range of activities encompasses technical management of the mechanical systems in Vega Production. Duties will 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 for dealing with flight anomalies/non-conformances and assessing requests for waivers/deviations;
- assessing the evolving definition (ECP) of mechanical systems and their possible impact on the Vega launch vehicle's qualification status;
- following up the technical activities related to dealing with components/materials 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 mechanical 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 (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). 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.

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.