

Job Title: Vega Ground Segment Maintenance Engineer

Req ID 10047 - 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

Vega Ground Segment Maintenance Engineer

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

Location

ESRIN, Frascati, Italy

Description

Vega Ground Segment Maintenance Engineer, Launchers Ground Segment Project, Assets Maintenance, Launch Range & Cost Monitoring, Launchers Exploitation Department, Directorate of Space Transportation

Duties

Under the direct authority of the Launchers Ground Segment Project Manager, you are responsible for all management of extraordinary maintenance activities on ESA-owned assets under Vega exploitation and on ESA-owned assets located at firms in Italy used for Ariane exploitation:

- implementing ESA contracts for extraordinary maintenance of ESA-owned assets used under Vega exploitation phases and exploitation accompaniment programmes, in close cooperation with STS-EMK, relying on STS-EVO for identified impacts on Vega qualification/Vega C HLR compliance;
- technically assessing, for these ESA-owned assets, the extraordinary maintenance needs, the costs of such maintenance activities and the exploitation consequences of modifications to assets, relying on STS-EVO impacts on Vega qualification /Vega C HLR compliance;
- verifying, on acceptance of new ESA-owned assets in contracts managed by STS and/or changes to existing ESA-owned assets, that custody within STS is defined for their maintenance;
- supporting the Vega development team in acceptance of new ESA-owned assets within the database of ESA-owned assets developed under Space Transportation Programmes (P120C, Vega C) and activities, providing the Project Manager with relevant inputs for financial reporting on assets and managing the associated hand-over;
- conducting industrial negotiations and administration related to procurements under your responsibility;
- proposing and supporting ESA in the maintenance audits in close coordination with the Quality Assurance Office;
- contributing to the preparation of the Vega-C exploitation accompaniment programme as regards activities relevant to its domain of responsibility;
- technically supporting audits performed on Vega-C (mainly under ramp-up and learning-curve effects);
- assessing Vega manufacturing flows, in cooperation with STS-EVO;
- identifying cost drivers, critical processes, critical assets and improvement measures with STS-EVO;
- identifying and deploying competitive improvements with the acquisition of new assets, dismantling of old ones and improving manufacturing assets on Vega-C manufacturing and launch processing assets, relying on STS-EVO for impacts on Vega qualification/Vega C HLR compliance;
- supporting the Project Manager in creating and applying industrial process standards based on best practices and state-of-the-art technologies for all exploitation and development contracts, starting with Vega Transition;

- identifying new innovative materials to increase competitiveness and leading to cost reductions, product improvements and/or increased robustness, relying on STS-EVO for impacts on Vega qualification/Vega C HLR compliance;
- identifying and deploying suitable Industry 4.0, automation, artificial intelligence, modern software development principles and new disruptive solutions and technologies for Vega-C ground assets with the objective of cost reductions;
- preparing and organising necessary reviews/key points;
- contributing to preparation of procurement documents, including assessing related deliveries (e.g. analysis of relevant scope vs costs);
- supporting the Project Manager in implementing new asset-management procedures and associated tools.

Technical competencies

Knowledge of industrial costs and schedule aspects

Complex project risk management processes

Knowledge/Expertise of (serial) production and operations in an industrial setting

Multidisciplinary knowledge of area of responsibility

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

Behavioural competencies

Communication

Planning & Organisation

Responsible Decision-Making

Results Orientation

Teamwork

Customer Focus

Analytical skills

Negotiation skills

Education

A Master's degree or equivalent qualification in an engineering discipline

Additional requirements

Experience in production/industrial sector, preferably in project implementation and system engineering

Good understanding of space market, actors and trends

Present practical solutions orally and in writing

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 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.