

Downstream System Engineer

Job Req ID: 15121

Closing Date: 04 May 2022

Publication: External Only

Vacancy Type: Fixed-Term

Date Posted: 06 April 2022

Vacancy in the Directorate of Earth Observation Programmes.

ESA is an equal opportunity employer, committed to achieving diversity within the workforce and creating an inclusive working environment. We therefore welcome applications from all qualified candidates irrespective of gender, sexual orientation, ethnicity, beliefs, age, disability or other characteristics. Applications from women are encouraged.

This is a non-renewable post for a limited duration of 4 years and is classified A2-A4 on the Coordinated Organisations' salary scale.

This opportunity is open for the specific needs of a National Project. **Accordingly, the external candidate selected for this post will continue to be considered an external candidate for the purposes of any future applications to the Agency.**

Location

ESRIN, Frascati, Italy

Description

You will be responsible for the technical coordination of the Downstream element activities for the Earth Observation Component of the Italy-ESA Technical Assistance Programme.

The scope of the Downstream element includes the Payload Data Ground Segment, the Flight Operations Segment, the Marketplace and Cyber Italy (Digital Twin of Italy).

You will report to the Downstream Manager in the IT PNRR Downstream Office, IT PNRR Programme, Earth Observation Projects Department, Directorate of Earth Observation Programmes.

Duties

Your duties will include:

- coordinating the Downstream technical activities for the whole project lifecycle, i.e. design, implementation, testing, validation and early operations;
- leading the preparation of the Downstream technical specification and design, including evolutions;
- technical coordination of the implementation of the Downstream elements, in particular:
 - coordinating and contributing to procurement action implementation (preparation of Statements of Work, evaluation of industrial offers, etc.);
 - coordinating and managing development activities;
 - acting as Technical Officer for Downstream element contracts, as needed;

- coordinating and managing the integration, validation and operational activities;
- preparing and implementing the Downstream milestones and participating in system milestones;
- contributing to definition of the system operations concept and technical coordination of the relevant implementation;
- assisting the Downstream Manager in managing the Downstream Segment activities;
- interfacing with other areas of the Agency, industry, the user community and external centres and/or agencies regarding all aspects related to your area of responsibility.

Technical competencies

Knowledge of Ground Segments for Earth Observation missions

Experience of specification, development, validation of Ground Segments, in particular for Earth Observation Missions

Experience of GS operations, in particular for Earth Observation Missions

Experience of technical management and coordination

Knowledge of engineering implementation processes

Knowledge of procurement processes

Behavioural competencies

Result Orientation

Operational Efficiency

Fostering Cooperation

Relationship Management

Continuous Improvement

Forward Thinking

Education

A master's degree in a relevant engineering subject is required for this post.

Additional requirements

You should also:

- have a minimum of 10 years' experience in Ground Segment implementation and operations
- have a high level of self-motivation and autonomy and the ability to work effectively in an interdisciplinary team
- demonstrate flexibility in dealing with day-to-day operational challenges
- demonstrate strong teamwork.

Other information

For behavioural competencies expected from ESA staff in general, please refer to the [ESA Competency Framework](#).

For further information please visit: [Professionals](#), [What we offer](#) and [FAQ](#)

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.

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 conducted by an external background screening service.

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.