

Job Title: Experiment System Engineer

Req ID 7022 - Posted 19/09/2018



EUROPEAN SPACE AGENCY

Vacancy in the Directorate of Science.

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

Experiment System Engineer

This post is classified A2-A4 on the Coordinated Organisations' salary scale.

Location

ESTEC, Noordwijk, The Netherlands

Description

Experiment System Engineer in the PRODEX Office, Future Missions Department, Directorate of Science. PRODEX is an optional programme devoted to the development of scientific instruments and experiments for space science missions. The development may involve industry and/or scientific institutes and may cover either a full instrument or instrument contributions/subsystems.

Duties

Reporting to the PRODEX Head of Office or his Deputy, the postholder will be in charge of implementing a number of PRODEX activities, with an emphasis on Scientific Space Instrumentation development.

Duties include:

- establishing the overall work programme for the development of PRODEX experiments within the scientific institutes in line with the relevant delegations' instructions;
- being responsible for monitoring the technical, schedule and financial status of experiment development, identifying potential problem areas and proposing remedial action;
- assisting, in coordination with scientific institutes, with preparing tender documents, participating in proposal evaluations, preparing the information required for contract negotiations and subsequently monitoring the end-to-end development of projects/activities contracted to industrial consortia;
- liaising between the relevant scientific institutes and industry for the duration of the contracts;
- interfacing internally with ESA project teams or specialists on technical/programmatic matters and with the relevant financial and procurement experts on financial and contractual matters.
- Regularly reporting to the line manager on the status of the activities and implementation difficulties, with a proactive result-oriented approach for problem solving

Technical Competencies

Instrumentation development

System Engineering and AIV

Instrumentation subsystems: optics, detection and electronics, mechanical and thermal

Hands-on hardware experience

Management of industrial activities including reviews

Knowledge of industrial costs and schedule aspects

Experience in managing scientific space hardware developments with multiple interfaces (PI, scientific consortium,

project, industry)

Behavioural Competencies

Problem Solving
Results Orientation
Planning & Organisation
Communication
Relationship Management

Additional Requirements

Candidates should have the following background and experience:

- experience in scientific space instrumentation design, development and AIV
- demonstrate a good balance between interacting with scientific institutions and with industrial partners
- systems oriented and adaptable to the specific management style of each project and partners.
- able to manage the progress of each contract taking into consideration both technical aspects as well as financial and scheduling constraints.
- able to interface with Agency specialists where specific expertise is needed, integrating their input into a more global solution.

Education

Applicants for this post should have a university PhD or Master's Degree in physics or space engineering.

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 17 October 2018.

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.