

Job Title: Cost Engineer

Req ID 8483 - Posted 19/12/2018



EUROPEAN SPACE AGENCY

Vacancy in the Directorate of Technology, Engineering and Quality.

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

Cost Engineer

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

This position forms part of ESA's Advance Recruitment Scheme which is established to provide appropriate staffing resources when requirements materialise.

Appointments are therefore made for an initial duration of two years upon which the selected candidate may be appointed to a permanent post in the Agency.

Location

ESTEC, Noordwijk, The Netherlands

Description

Cost Engineer in the Cost Engineering Section, Systems Engineering Division, Systems Department, Directorate of Technology, Engineering and Quality. The post holder will report to the Head of the Cost Engineering Section.

Duties

Specific tasks and responsibilities will include:

- Preparation of independent cost estimates in support of projects and other procurement actions for all areas of ESA activity with due consideration being given to technical, programmatic, planning and procurement aspects;
- Comparative analysis of industrial contractors' estimates, prices and costs-at-completion;
- Participation to tender evaluation boards and associated cost-related panels;
- Participation to project reviews;
- Support to industrial contracts negotiations;
- Cost engineering tasks in the context of assessment studies in the Concurrent Design Facility.

To carry out these tasks, the postholder will use and contribute to the development and maintenance of models, analysis tools, databases and methodologies including:

- ECOS, the ESA Costing Software;
- The Cost Engineering Section's cost/technical databases;
- Design-to-cost and risk analysis techniques and tools covering the whole life-cycle cost;
- Parametric cost and schedule estimating models mainly based on ESA's series of cost/schedule models.

Technical competencies

Development of cost and schedule models

Knowledge of technical domains and related R&D space industry trends

Technical domains and in particular space systems development

Systems engineering

Cost engineering methods and application tools

Knowledge of ESA and its programmes/projects

Data Science competence related to the development of cost and schedule models

Econometric skills

Behavioural competencies

Continuous Learning
Customer Focus
Innovation & Creativity
Problem Solving
Results Orientation
Self Motivation
Communication

Education

Applicants for this post should have a Master's degree or equivalent qualification in an engineering discipline applicable to space. Additional qualification in data science, econometrics or economics will be an asset.

Additional requirements

Preference will be given to those with a dual background in economics and engineering, able to demonstrate a systems approach taking account of cost, technical programmatic and risks aspects in producing their analysis.
Experience of cost estimating, preferably for space activities, for a minimum of two years is required.
Experience of developing and using relevant software applications such as True Planning series or other commercial parametric models will be an asset.

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 09 January 2019.

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, 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.