

## Job Title: Cost Engineer

Req ID 521 - Posted 16/06/2017



### 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 post 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:

- preparing 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;
- participating in tender evaluation boards and associated cost-related panels;
- participating in project reviews;
- supporting industrial 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 also contribute to the development and maintenance of 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;
- the life-cycle cost approach;
- 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 trends in space industry

Technical domains and in particular space systems development

Knowledge of innovation-related processes

Systems engineering

Cost engineering methods and application tools

Knowledge of ESA programmes/projects

#### Behavioural competencies

Continuous learning

Customer focus

Innovation & creativity

Problem solving

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 econometrics or economics will be an asset.

#### Additional requirements

Preference will be given to those with an engineering background and who can demonstrate a systems approach taking account of cost, technical and programmatic aspects, including planning and risk assessment.

A minimum of three years' experience of cost estimating, preferably for space activities, is required. Experience of developing and using relevant software applications such as True Planning series or other commercial parametric models will be an asset.

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 closing date for application is **14 July 2017**.

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](mailto: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.

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.

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.