



## **GTCR02\_20 JUNIOR DEVELOPMENT ENGINEER. Mechanics**

**Publishing Date:** February 4<sup>th</sup>, 2020

**Deadline:** April 13th, 2020 at 13:00

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The public company Gran Telescopio de Canarias, S.A. (GRANTECAN) opens a selective process to hire indefinitely a Mechanical Engineer oriented to the design and analysis of mechanisms and structures and invites those interested to submit their candidacy to it.

The required engineer must comply to the following profile:

### **Functions**

The functions will be those established in the category of Junior Development Engineer, within the Development Group, to which the position is assigned.

### **Section A (Minimum Qualification Required)**

- Second Level University Degree QF-EHEA (MECES level 3) in Mechanical Engineering, Industrial Engineering or related areas, that grant professional attributions to practice as a Mechanical Industrial Technical Engineer or Industrial Engineer in Spain.
- Spanish spoken and written with the ability to develop the required work activity.
- English spoken and written with the ability to develop the required work activity.
- Vehicle driver license (category B or higher)

### **Section B (Essential)**

The purpose of the job is consolidating the GRANTECAN workforce in the area of mechanics to meet the needs of perfective maintenance of the GTC and development of new equipment.

Therefore, the candidate is required to have knowledge and / or experience in the following specific essential competences:

- Knowledge and/or experience in the use of 3D CAD design. The knowledge of PTC Creo Parametrics is especially valued.
- Knowledge and/or experience in the use of 2D CAD design. The knowledge of Autocad is especially valued.
- Knowledge and / or experience in static and dynamic structural analysis through finite element techniques. The knowledge of ANSYS is especially valued.

### **Section C (will be assessed)**

Additionally, it will be valued that the candidate has knowledge and / or experience in the following specific complementary competences:

- Experience in the detail design of machines and/or structures generating manufacturing and assembly drawings.
- Experience in measuring and analysing vibrations.
- Experience in the assembly and commissioning of machines and/or structures.
- Knowledge and/or experience in the use of data analysis languages (Matlab, IDL, Python...)
- Knowledge and/or experience in automatic regulation and servo control.
- Knowledge of machine safety and/or occupational risk prevention.

### **Section D (will be assessed)**

In addition to the specific competences the following general competences will be assessed:

- Knowledge and experience in project management and work teams.
- PhD education (third cycle QF-EHEA, MECES 4), particularly in areas related to the specific competencies required.
- Experience in the design, operation and / or maintenance of astronomical and/or scientific facilities.
- Balance between systemic vision of the problems and a practical attitude to give solutions to the questions raised.
- Good oral and written communication skills.
- Ability to adapt quickly to changing circumstances.

### **Rating scheme**

- Section A: Candidates who do not meet these requirements will be discarded and not valued.
- Section B: Maximum score: 50 points. Candidates whose rating is less than 25 will be discarded.
- Section C: Maximum score: 40 points.
- Section D: Maximum score: 10 points.

The assessment will be based on the documentation provided by the candidate and a personal interview.

### **Contractual Information**

The selected candidate will sign with GRANTECAN a permanent full-time work contract, subject to a six-month trial period.

The work centre will be the headquarters of GRANTECAN in La Laguna (Tenerife). It may require timely work at the Roque de Los Muchachos Observatory (GTC) at 2400 m altitude.

The gross annual salary will be € 37,101.30. The work carried out at the Roque de los Muchachos Observatory in La Palma will have additional compensation.

GRANTECAN is fully committed to equal treatment and opportunities in the work environment.

### **Submit of applications**

Those interested should send the applications before April 13th, 2020 at 13:00, to the email address [r.personal@gtc.iac.es](mailto:r.personal@gtc.iac.es), indicating the relevant reference number in the subject line.

Applications will contain the following documents (in PDF format):

- Application form (available on our website)
- Curriculum vitae

**Applications submitted after the deadline or those that do not include the mandatory application form will not be considered.** In the case of incomplete applications, the applicant will have a period of three (3) days, counted from the date the missing documentation is required and never beyond the deadline.

For more information on this position, contact the Head of Developments of the GTC, Mr. Javier Castro López (0034 922 315031 ext 597 or e-mail [javier.castro.lopez@gtc.iac.es](mailto:javier.castro.lopez@gtc.iac.es) ). For more information about the GTC, see our website: <http://www.gtc.iac.es>.