



GTCR_05_23 OPERATIONS ENGINEER (LEVEL I-II). Software area.

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Closing date: 12-06-2023

Gran Telescopio de Canarias S.A. (GRANTECAN) invites applications for one Operations Engineer position (Level I-II) for its Engineering Operations Group based in La Palma (Spain).

GRANTECAN looks for people with exceptional talent and skills to operate, maintain and improve the Gran Telescopio de Canarias (GTC) executing scientific projects of the highest quality in the field of astrophysics. To this end, it requires people with integrity, responsibility, transparency, respect and honesty in their work, who seek continuous improvement, personal safety, the integrity of the facility, efficiency and innovation in their actions, as well as responsible and sustainable use, with the primary objective of caring for the environment.

Duties:

The selected person will report hierarchically to the Head of Engineering Operations. The general duties and responsibilities will be those included in the job description of the position GOI_004 or GOI_005 (Operations Engineer level I or level II). That includes:

- Software maintenance and development.
- Management and resolution of operation incidences related to software and associated equipment.
- Management of maintenance and operations of parts or subsystems of the GTC.
- Development of user interfaces, both of the telescope control system and of other utilities.
- Configuration of motor control modules.
- Preparation and execution of maintenance tasks for the different disciplines within the GTC, creating and modifying maintenance plans, mainly related to IT/OT systems.
- Participation in integration, verification and commissioning tests of new telescope capabilities.
- Installation and configuration of software/hardware required for new commissioning or upgrades.

(Section A) Minimum qualification required

- First level university degree QF-EHEA (MECES level 2) in Computer Engineering, Software or equivalent.
- Full current driving license (level B or higher).

(Section B) Essential knowledge and Experience:

- Be able to communicate effectively in Spanish.
- Be able to communicate effectively in English.
- High level in at least one of the following programming languages: C, C++, Java and/or Python.
- Experience in the use of software engineering tools (version control, IDE's such as eclipse, UML, etc.).
- Experience in complex software applications running on UNIX or Linux platforms.
- Knowledge of the use of field buses (CANOpen, Profibus, Ethercat, ...) for motor control and I/O.
- Knowledge of databases, both relational and NoSQL.
- Knowledge of real-time and time-sharing environments.
- Knowledge and experience deploying IoT systems at the edge and platform.

(Section C) Desirable knowledge and Experience:

- MECES level 3 or equivalent degree.
- Previous experience in astronomical and/or scientific installations.
- Experience in the configuration of Kollmorgen Servostar control modules or equivalent.
- Experience in the implementation of software frameworks and knowledge of pattern-based design.
- Experience in the development of multi-threaded applications.

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- Experience in applications for distributed software systems (CORBA).
- Knowledge and experience in the deployment of Industrial-IoT platforms based on FIWARE.
- Knowledge and experience in data analytics in the context of Industrial IoT Platform.
- Knowledge and experience in UI/UX.
- Knowledge and/or experience with electromechanical machines.
- Leadership, organisational skills with emphasis on adapting to change, transparency, self-organisation and collaboration with the rest of the team.

Merits to value:

- Section A: Candidates who do not meet these requirements will be discarded and not evaluated.
- Section B: Maximum score: 60 points. Candidates who score less than 30 points will be disqualified.
- Section C: Maximum score: 40 points

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

GRANTECAN is fully committed to equal opportunities and non-discriminatory recruitment. Under equal conditions in terms of merit and ability, the incorporation of personnel of the sex less represented in the professional group to which the position belongs will be prioritized.

Contractual Information

The selected person will sign a permanent full-time contract with GRANTECAN, with a trial period of 6 months.

The work centre will be GRANTECAN's operations base in Breña Baja (La Palma), with frequent work stays at the Roque de Los Muchachos Observatory (GTC) at 2400 m altitude. Occasional work may be required at the Tenerife site in San Cristobal de La Laguna.

The gross salary will be that corresponding to level I (36.139,62€) or level II (40.508,36), depending on the qualifications and experience of the person selected. Additional compensation will be paid for work at the Roque de los Muchachos Observatory on La Palma.

Non-UE citizens:

Applicants who are not citizen of a country belonging to the European Union are invited to apply for this position, but, if selected, will be allowed to sign the contract with GRANTECAN only after obtaining the compulsory documentation required to live and work in Spain.

Applications

Interested applicants should send their applications by 12 June 2023 at 15:00 (WEST) to r.personal@gtc.iac.es , indicating the relevant reference number in the subject line. Applications must contain the following documents (in PDF format):

- Cover letter, describing the motivations for applying for this call.
- Application form (available on our website).
- Curriculum vitae.

Late applications or those that do not include the required documents, will not be considered. In case of incomplete applications, the applicant will have a period of three (3) days, starting from the date in which the missing documentation is required.

Further information

Further information on this position is available from the GRANTECAN Head of Operations Engineering, Luis Rodríguez García (0034 922425720 ext. 734 or e-mail luis.rodriquez@gtc.iac.es). Further information about the recruitment process is available from the GRANTECAN Head of Administration, Lourdes González Rodríguez (0034 922425720 ext. 721 or e-mail lourdes.gonzalez@gtc.iac.es). Further details about the GTC may be found at its web site: <http://www.gtc.iac.es>.