



GTC Operation Engineers Positions



Gran Telescopio de Canarias, S.A. (GRANTECAN) invites applications for five Operations Engineers positions, based in La Palma (Spain).

The Gran Telescopio Canarias (GTC), with a diameter of 10.4 metres, is the largest single aperture telescope in the world and it is in operation since March 2009. The GTC is sited at the Roque de los Muchachos Observatory (ORM) on the island of La Palma (Canary Islands) which is a world-class observatory and the best site in Europe for ground based optical/infra-red astronomy.

The GTC headquarters is located a sea-level base called “Centro de Astrofísica de La Palma” (CALP), near San José, head of the municipality of Breña Baja, and at about 8 kilometres from Santa Cruz de La Palma, the capital of the island.

The GTC Operation Engineers are integrated in the GRANTECAN Engineering Operation Group that has the responsibility on the technical operations of the GTC and is involved in the development tasks of the telescope and its science instruments.

Main duties, responsibilities and key competences:

- Manage maintenance, problem solving and obsolescence of systems already in operation;
- Design, implement, commission, verify and document new telescope and instruments subsystems;
- Collaborate with other GRANTECAN personnel to optimise instruments and telescope performance, define common approaches, standards and share experience;
- Keep abreast of new technological developments applicable to instruments and telescopes and assess their suitability for GTC work;
- Monitor progress of own work, deliver to agreed deadlines and standards, plan activities, contribute to system design and been able to work under pressure;
- Participate in GRANTECAN outreach activities.
- Applicants must be able to communicate effectively in both English and Spanish, be self-motivated and lively team players with effective problem-solving and inter-personal skills. The ability to work without direct supervision is essential. Applicants should be able to maintain an established work schedule and to follow instructions precisely.

Operation Engineers will report directly to the GRANTECAN Head of Engineering Operations.

The work will be split between the telescope at the ORM and the sea-level office (CALP) located in Breña Baja, La Palma. Appointed individuals should be available for day or night-time support as part of a multi-disciplinary Operations Team. A full, current driving license is required.

Qualifications:

- University degree or engineering degree or equivalent educational level on any of the following matters: electrical and electronics, mechanics, optics, computer science.

Experience:

- A minimum of three years of field experience in the design, development, implementation, testing, maintenance and documentation of complex multi-disciplinary systems;

- Experience in the following fields will be considered a plus:
 - Telescope or astronomical instrument subsystems;
 - Image detectors and associated electronics;
 - Cryogenic systems;
 - Optomechanics;
 - Real-time control.

Contractual Issues

The offered contract has an indefinite extension, subject to a 6-month probation period, with a competitive salary, pension, medical and other social benefits, under the Spanish National Health Service, including coverage for spouse and children. The day and night-time work based at the ORM has additional bonuses.

Applications

Interested applicants should send **NOT LATER THAN APRIL 20th, 2015**, a letter of presentation and his/her Curriculum Vitae to the e-mail address director@gtc.iac.es under the subject: "GTC Operation Engineers".

Successful candidates should be available by **September 1st, 2015**.

Further information

Further information on these positions is available from the GTC Head of Engineering Operations Mr. Luis A. Rodríguez (☎: +34 922 425 720 ext 734 or e-mail luis.rodriquez@gtc.iac.es). Further details about the GTC may be found at its web site: <http://www.gtc.iac.es>.