



Electrical and Operations Assistant

Ref: LSR01_22 *Closing date for applications: 16:00(GMT) on the 10th March 2022*

The Isaac Newton Group of Telescopes ([ING](#)) invites applications for the post of Electrical and Operations Assistant, The successful candidate will join the ING operations team.

The ING operates the 4.2-m William Herschel Telescope (WHT) and the 2.5-m Isaac Newton Telescope on behalf of the UK Research and Innovation - Science and Technology Facilities Council, the Dutch *Nederlandse Organisatie voor Wetenschappelijk Onderzoek*, and the Spanish *Instituto de Astrofísica de Canarias*. The facilities, which are equipped with world-class imaging and spectroscopic instruments, are located at the *Observatorio del Roque de Los Muchachos (ORM)* situated at an altitude of 2400m on the Spanish island of La Palma. Exciting developments for both ING telescopes are currently underway: the [WEAVE](#) multi-fibre spectrograph will be deployed at the WHT in 2022, while the HARPS-3 stabilised high-resolution spectrograph for the INT will be deployed in 2023 after robotisation of the INT in 2022.

Reporting to the Head of Operations and contributing to the general maintenance and enhancement of ING facilities, the post is ideally suited to an experienced electrician who is looking for opportunities to grow in a challenging, operational environment.

PURPOSE, RESPONSIBILITIES AND DUTIES

Main purpose for the post

- Provide support to the Electrical Technician on low-voltage electrical infrastructure and electrical systems in use at ING facilities.
- Contribute to Operations needs on demand, especially in transport and general maintenance tasks.

Associated duties and responsibilities

The principal duties associated with this post include, but are not limited to:

- Assisting the Electrical Technician in the maintenance of the low-voltage electrical infrastructure of the ING in general, including the electrical distribution in the telescopes (illumination, motors, etc.), the UPS's, the generators house, the fuel farm, the air conditioning systems, the LN2 plant, the air pressure supplies, the oil cooling plant, the lifts, fire protection and alarm systems, and the water supply systems.
- Helping with the supervision of contractors servicing the low-voltage electrical systems listed above, and including the liaison with IAC observatory services for the shared installation of the HV transformer house. Execute the periodic inspections as needed.
- Assisting in the management of the spare parts; contacting suppliers. Maintaining the electrical workshop in good use.



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- Helping with document tasks and technical issues or updates, and maintain the electric systems documentation in the intranet.
 - Operations team support. Participating in the instrument changes on demand.
 - Providing first-level of user support of the LN2 plant to ensure it works efficiently; activating or deactivating the LN2 plant following demand. Transporting LN2 as needed in the ING telescopes. Leading the distribution of LN2 to other ORM institutions, and logging the amounts supplied. Reporting monthly consumptions to Administration.
 - Filling-in the cryostats in use as demanded. Reviewing the LN2 bottle levels on a daily basis and reload when needed.
 - Collaborating with Ops team as needed, to support daily operations or other periodic tasks.
 - Participating in ING projects on demand; including infrastructure preparation tasks for WEAVE. Transport, vehicles and general Infrastructure maintenance.
 - Picking-up or delivering equipment, materials and supplies to and from ING premises. Lead the purchase and distribution of consumables for the kitchens.
 - Contributing to general repair and maintenance works of buildings: paint repair, door locks, windows, plumbing, etc.
 - Helping with periodic maintenance tasks of ING vehicles.
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SHORT-LISTING CRITERIA

Experience

- **Minimum:**
 - One year as Electrical Technician, if education level is specialist electrical technician (FP II).
 - Two years as Electrical Technician, if education level is electrical technician (FP I).
- **Desirable:** Two years as Electrical Technician in an astronomical observatory environment.

Qualifications

- **Minimum:** Professional qualification as electric technician.
- **Desirable:** Professional qualification as specialist electric technician (FP II).

Languages

- **Minimum:** fluent Spanish.
- **Desirable:** able to communicate in English.



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Other requirements

Applicants must also:

- be fit to work at 2400 m altitude;
- be able to occasionally travel and work away from base and overseas.

Valued knowledge, skills and personal qualities

Work for this post will usually be of a routine nature, restricted to particular tasks or functions, but may require the use of discretion and initiative, or a knowledge of processes and procedures. Tasks will fall within clearly defined rules and procedures. Supervision will be available through Electrical Technician and/or Head of Operations.

For this post the following competencies are expected:

- Flexibility and adaptability. A teamwork spirit.
- Strong awareness of Health and Safety issues.
- Fluency in the use and learning of today's information technology tools for work and for communication.

CONTRACTUAL INFORMATION

Following a three-month probationary period, this will be a permanent, full-time position. The appointment will be at grade B with a starting gross salary of €28,094.23 per annum which is subject to Spanish income tax and social security deductions. After the first year, the salary will increase to €29,572.92 per annum.

Medical cover will be available to the appointee, partner and accompanying children under the Spanish National Health Service. ING will assist those coming from abroad in registering with the Social Security and Health Services. A relocation package and financial support for Spanish/English lessons are available.

Applicants from outside the EU need to be in possession of a residence permit and work permit both of which must be valid for Spain.

The successful candidate will have to present a medical certificate stating that they are fit to work at an altitude of 2400m.

APPLICATIONS

Send a completed application form, available from <https://ingconfluence.ing.iac.es/confluence/display/INGPublic/Job+Vacancies>, to recruit@ing.iac.es. The form must be completed in English or Spanish. Information related to the terms and conditions is available from the Head of Administration, Mr. Juan Jose Herrera Bujalance (juanjo@ing.iac.es), + 34 922 425 413.



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Applicants must also provide:

- A brief statement of the work undertaken within the last five years and
- Three professional references

FURTHER INFORMATION

Further information is available from the Director, Dr Marc Balcells (director@ing.iac.es), +34 922 425 403. The ING is fully committed to equality of opportunity in the workplace. The closing date for applications is 16:00 (GMT) on the 10th March 2022.