



ING Job Description

Grade B/C

Automatic systems, measurement and Control Engineer/Technician

Post reference: LO04-1 Last revision: 2022-11-09 Version N° 2.0

Department / Group

Operations

Hierarchical Dependency

Head of Operations

Functional Dependency

If different

N/A

PURPOSE

Main purpose for the post

- Provide support to all electronic and control systems in the telescopes and the ING infrastructure at the ORM (Observatorio del Roque de los Muchachos).
- Contribute to operations as well as active projects, especially in what electronics is concerned.

Associated duties and responsibilities

- Providing support to the Operations team; collaborating in instrument changes and the corresponding tests on demand.
- Assuming responsibility to attend and solve faults related to electronics. Ensuring the faults database is updated accordingly on time.
- Participating in maintenance works in general as needed, covering telescopes, instruments and support equipment. Being able to analyze, measure and characterize the performance of electronic boards or equipment. Carrying out specialist electronics repair, or design and construction of electronic prototypes when required.
- Following health and safety rules, general or specific of ING. Collaborating with Ops team safety as needed, to support daily operations or other periodic tasks. Acting as preventive resource on demand.
- Participating in ING projects on demand; including infrastructure preparation tasks for WEAVE.
- Partaking in instrument-management activities. Providing full support for specific instruments.
- Identifying and storing the correct level of electronics spares. Promoting and managing the purchase of electronic spare parts as needed.
- Revising, modifying and/or generating technical documentation of electronic systems in use at ING. Acquiring knowledge and experience with all the

electronic sub-systems at the telescopes, with a focus on maximizing reliability of all electronics and control systems in use.

- Reporting to Operations/T&I manager any instrument or system concerns, and proposing improvements.
- Collaborating with other ING members, as well as engineers of other institutions to fulfill ING or project's needs.
- Providing support to electric engineering, on demand.
- Having the capability to learn and understand advanced electronic systems in use at ING. Carrying out a continuous personal development plan to cover future needs of ING electronics engineering.
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Appointment

100%

Mobility

Must be able and willing to travel out of the island to attend training courses, meetings, etc

Remarks

RESPONSIBILITIES

People management

0

Annual budget management

0

Results / Other Responsibilities

REQUIREMENTS

Education

Minimum

Professional qualification in electronics or related field (FP II).

Preferred

Professional qualification as electronics/control engineer.

Experience

Minimum

No previous experience acceptable if education level is specialist electronics technician (FP II).

Preferred

Two years or more working as electronics/control engineer in an astronomical observatory environment or similar.