



Isaac Newton Group of Telescopes

Mechanical Engineer

Ref: LSR02_22

Closing date: 16:00 WEST 5 April 2022

As part of its Operations Group restructuring to address impending retirements, the ING invites internal applications for the post of Mechanical Engineer.

The Mechanical Engineer will contribute mechanical engineering knowledge and experience to a multi-disciplinary operations team responsible for the maintenance and development of ING telescopes, instrumentation and auxiliary systems. He/she will report to the Senior Mechanical Engineer, and will depend hierarchically to the Head of Operations.

DUTIES AND RESPONSIBILITIES

The main responsibilities of this post are:

- To provide mechanical engineering support to ensure the daily hand-over of a working telescope and instrumentation.
- To take an active role in the planning and execution of the maintenance programme for all of ING's mechanical systems.
- To prioritise work based on strategic objectives and contribute to the development and delivery of ING's astronomy programmes.
- To exercise judgement and interpretive abilities in addressing mechanical issues that are sometimes less likely to be governed by standards, guidelines, or best practices.
- To understand the mechanical systems and apply this knowledge and experience where appropriate.
- To represent the ING through collaborations and at events.
- To take decisions in specific skill areas related to mechanics.
- To provide mechanical advice and information to colleagues through the use of appropriate communications.
- Be responsible for delivering objectives, in the area of mechanics, where only the key parameters (e.g. KPIs, milestones or end results) are defined.
- To contribute to the formation and revision of ING's engineering policies.

A Job Description is available on demand.

SHORT-LISTING CRITERIA

Experience

- **Minimum:**
 - One year as an engineer in an operational environment



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- Experience in the specification and procurement process of engineering systems
 - Experience of mechanical joining and manufacturing techniques
 - Experience with Microsoft Office and data analysis and visualisation software
 - Experience with project management processes and procedures.
- **Desirable:**
 - Two years working with astronomical telescopes, instrumentation or in a related scientific discipline.
 - Experience dealing with health and safety issues in the workplace.

Qualifications

- **Minimum:** University degree in a mechanical-related discipline
- **Desirable:** Master's degree in mechanical engineering.

Languages

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

Specialist competencies

- Working knowledge of 3D CAD package
- Knowledge of engineering construction drawings
- Knowledge of hydraulic systems

Transversal competencies

- Available in Job Description

CONTRACTUAL INFORMATION

This will be a permanent appointment at **Grade D** on the local pay scale.

APPLICATIONS

To apply for this post, use the standard ING external job [application form](#), and fill in:

- Box 1: personal data
- Box 10 on page 4: why are you interested in the post, and indicate the relevance of your qualifications and experience to the job.
- You may optionally fill in box 9 (career history) if you believe the information strengthens your candidacy.



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Applications must be sent to recruit@ing.iac.es

The form must be completed in English. Information related to the terms and conditions is available from the Head of Administration (juanjio@ing.iac.es), ☎ + 34 922 425 413.

FURTHER INFORMATION

Further information is available from 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 (WEST) on the 5th April 2022.