

## Junior Mechanisms Engineer

### ABOUT ARQUIMEA INGENIERÍA

ARQUIMEA INGENIERÍA S.L.U. is a multinational company founded in 2005, with Headquarters in Madrid (Spain), devoted to design and development of electronic, microelectronic and electro-mechanic systems and components, including smart actuators and mechanisms, sensing systems, integrated circuits (IC) and robotic parts. ARQUIMEA's products and technologies are suitable for those markets and sectors demanding innovation, quality, high performance and reliability, such as Aerospace, Defence & Security, Automotive, Healthcare or Industry.

### Job Description

You will be involved in detailed design, development and verification activities under supervision of high-reliability, complex space mechanisms. You will support and work closely with senior team members to continue developing your knowledge of space mechanisms design and verification.

The successful candidate will be subject to security clearance in order to undertake related work in accordance with business needs.

### Main tasks and responsibilities

- Understand and work according to detailed technical specifications.
- Under supervision, perform mechanisms design, analyses and trade-offs.
- Interface with specialist senior engineers (stress, thermal, radiation, electrical, etc.) and take responsibility to ensure the assignments are met in due form and time.
- Support test campaigns and definition of early prototypes for validation (stress, thermal, radiation, electrical, manufacturing, test, etc.) according to space standards.
- Assist in preparation of technical elements for bids and proposals.
- Support other ARQUIMEA departments in mechanical issues.
- Preparation of clear and concise technical reports and processes, demonstrating a clear understanding of mechanism design, manufacturing and test.
- Support project development, verification and validation.
- This role may involve some occasional travel.

### Required skills

- Engineering Degree in Aerospace/Aeronautical Engineering, Mechanical Engineering or similar.
- Working knowledge of Motors, Gearboxes, Tribology and Materials for harsh environments.
- Capability to do hand calculations for stress and thermal.
- Hands on design experience with CAD tools (CATIA V5) and other engineering tools.
- Knowledge of Finite Element Method. Experience with Nastran/Patran will be highly valued.
- Experience in the Space/Aerospace/Automotive industry is a plus.
- Good presentation and communication skills.
- Fluency in English.
- Eligible to work in EU.

**INFORMATION AND APPLICATIONS:** [rrhh@arquimea.com](mailto:rrhh@arquimea.com)