

## Junior Product Assurance Engineer

### About Us

Astronika sp. z o.o. was established in 2013 with the goal of taking crucial part in the development of the commercial space sector in Poland. Astronika is committed to supplying innovative solutions to the widely understood aerospace industry. Services are provided to large as well as small companies, international agencies, and the government, and they aim to meet the demand of Polish, European and global markets. The company has contributed to such missions as ESA's JUICE (Jupiter), ATHENA (X-ray satellite) and Prospect (Moon) and NASA's InSight (Mars).

The main space products developed by the company include: lock & release mechanisms, orbital deployers, deployable antenna systems, mechanisms based on tubular booms, penetrators, electromagnetic actuators, sampling mechanisms, space bearings, while the main services offered are R&D activities in the field of space mechanisms, tribology, thermal coatings, solid lubricants and hard coatings.

We are currently looking for a person to support existing and new projects as a quality assurance engineer. Such project role focuses on establishing and implementing PA standards as well as monitoring whether existing verification activities are realised according to the requirements specification. Working within the Astronika projects guarantees participating in the overall development lifetime of the unit from the design phase, breadboarding and MAIT activities related to qualification and acceptance activities.

### Your responsibilities

- Supporting aerospace engineering projects in a role of PA engineer,
- Supporting ESA project development throughout its entire lifetime – design, development, prototyping, manufacturing, qualification, flight hardware acceptance testing and delivery to the client,
- Closely cooperating with designers in a form of internal documentation reviews prepared in line with ESA ECSS standards as well as project specific requirements specification,
- Defining and monitoring qualification activities necessary to implement proposed materials, processes, design solutions, chosen suppliers, manufacturers and test facilities,
- Preparing PA specific quality records highlighting traceability relevant to parts/materials/products as well as procurement, inspection, test, assembly integration and operation activities,
- Supporting project's manufacturing, assembly integration and test (MAIT) activities in a form of reviewing procurement/manufacturing specifications, defining inspection activities applicable to acquired parts, verifying compliance to

established integration & testing procedures as well as participating with the operator during their execution,

- Performing risk, failure modes and reliability analyses of developed mechanism,
- Participating in preparation of new project proposals in a role of PA engineer,
- Implementing processes resulting from ISO 9001 certification as well as introduction of AS/EN 9100 standard,
- Supporting company's PA processes execution.

#### **Our requirements**

- Engineering degree in quality engineering, aerospace engineering, material engineering, mechanics or similar,
- Proficient English skills in terms of documentation preparation as well as direct communication with the client during project reviews,

#### **Nice-to-have skills:**

- Experience with working in CAD software, preferably SolidWorks,
- Experience with reviewing mechanical documentation, including manufacturing specification,
- Working knowledge in the fields of mechanics, material science,
- Knowledge of basic manufacturing processes,

#### **What we offer**

- Full-time employment,
- Flexible working hours,
- Hybrid work model,
- If currently studying, the possibility of using your project work in your master/PhD thesis,
- Work under ESA contracted flight orbital, Moon, Mars and many more projects,
- Internal training & support of the company's PA engineers based on the past projects,
- Cooperation with ESA and EU space big integrators specialists,
- R&D activities,
- Co-financed Medical Package,
- Co-financed MultiSport card,
- No dress code.

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