



**HE Space** is a successful international space company. For nearly 40 years, we have been supporting our customers with qualified experts in the field of engineering, science and administration. We are currently looking for a Mechanisms Engineer to support our customer in the Netherlands.

## Mechanisms Engineer

### Key Tasks and Responsibilities

As part of the Mechanisms Section, you will have the following responsibilities:

- Mechanisms support to all ESA project directorates with respect to the implementation of space mechanism technologies in current and future missions, including configuration assessments and mission performance evaluation;
- Establishment of Statement of Work and Preliminary Requirement Specifications for Mechanism Systems, Individual Mechanisms or Mechanism components dedicated to Technology and Research & Development;
- Perform and support in the role of Mechanism engineer, System Level Mission Definition studies and system conceptual design activities in support of the ESA long term/future mission plans;
- Identification of enabling mechanism and tribological technologies for future ESA missions;
- Support investigations of mechanisms being out of performance, including malfunctions and contingency scenarios;
- Support and contribute to the establishment and maintenance of the Space Mechanisms ECSS Engineering Standards;
- Generation and set-up of appropriate space mechanisms analysis and simulation models using analysis tools based on technical documentation of space mechanisms. Back up and archiving of analysis models for later retrieval.

### Skills & Experience

You will have the following qualifications and relevant experience:

- Master in Mechanical Engineering;
- Minimum 10 years of experience in Space mechanisms development;
- Excellent knowledge in space system engineering, specializing in mechanisms, knowledge of the Space Mechanism ECSS standard and its application to the design and verification of mechanisms, together with a good knowledge of space mechanism testing and verification methodologies and techniques and a good knowledge of related mechanisms numerical analysis tools such as Adams, VirtualLab Motion , SIMPACK, Matlab/Simulink, Maxwell, Fluxetc;
- Good interpersonal and communication skills. Ability to work effectively, autonomously and cooperatively in a diverse and international team environment, defining and implementing solutions in line with team and individual objectives, as well as project deadlines;
- Fluency in English is mandatory; knowledge of another European language is an advantage.

Passionate about people and passionate about space

This job is located in Noordwijk, the Netherlands. We welcome applicants who are available from June 2022

If you think you have what it takes for this job, please send your CV together with a letter of motivation (both in English and in Word or PDF) to Vicente Gracia, by clicking on the button "Apply for this job" quoting job **NL-HP-4768** before **26-Apr-22**.

An exciting and dynamic international working environment awaits you!



HE Space recruiting for ESA