



## Mechanical and Thermal Engineer

### Description of the Company

Since 2016, ODYSSEUS Space aims at increasing the flow of goods and information in the Solar System. For this purpose, the company is developing cost-effective technologies such as laser communication and autonomous navigation.

The technologies developed by ODYSSEUS can already address the small satellite constellations markets while paving the way for future applications in the Space Resources Utilisation value chain.

Active in Luxembourg and Taiwan we are looking for motivated professionals to work collaboratively with a young, international and talented team on what will be the space technologies of tomorrow.

### Description of the Job

As a Mechanical and Thermal Engineer part of ODYSSEUS Space team in Luxembourg, you will be working on the design, manufacturing, testing and validation of our free space optical communication terminal product (CYCLOPS), in interaction with the rest of the team.

The CYCLOPS transceiver offers compact, secured, high bandwidth communications to Space actors, expanding drastically their information exchange capabilities around the Earth and beyond. This versatile system enables both, inter- satellite and space-to-ground laser communication.

At least 5 years of professional experience in Mechanical and Thermal engineering is needed. Complementary experience in aerospace, product development, AIT, lab work, prototyping and testing are strong advantages for the job.

ODYSSEUS Space can offer a competitive salary and fast career development opportunities to the candidate.

#### Role

- Design, analyse, procure, assemble, and test the structure and mechanisms for CYCLOPS. Components include opto-mechanical parts and assemblies, optical payloads, telescopes...
- Develop mechanical and thermal requirements for CYCLOPS.
- Perform mechanical and thermal analysis of the CYCLOPS terminal.
- Integrate parts in CYCLOPS by working closely with the rest of the team, and document and develop procedures to improve the build process in the future.
- Support the testing and validation activities of the terminal.
- Preparation of the documentation for design reviews.

#### Must have

- At least 5 years of professional experience in the relevant field
- Mastery of mechanical CAD



- Experience with both Mechanical and Thermal FEA
- Experience in manufacturing and testing mechanical and thermal assemblies
- Master's degree/PhD in any relevant field, or equivalent
- English proficiency
- Experience in both working independently and as part of a team
- The willingness to participate in a start-up adventure
- The willingness to learn new skills
- Highly organized and capable of planning and guiding complex technical work
- Strong oral and written communication skills

### **Nice to have**

- Experience in designing in a vacuum environment with large temperature swings
- Experience in Opto-mechanical design
- Experience with vibration environments
- Experience in aerospace
- Experience in product development
- Experience in any other design field (optics, AIT...)
- European Union Citizenship

### **Contact**

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