



Embedded Software 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 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 an Embedded Software 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), and/or our novel autonomous GNC technology (ASTRAEUS).

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.

ASTRAEUS provides autonomous guidance navigation & control capabilities to spacecraft anywhere in the Solar System. Its unique algorithm is especially adapted to interplanetary cruise to the Moon and beyond.

At least 5 years of professional experience in embedded software engineering is needed. Complementary experience in aerospace, product development, lab work, digital electronics, signal processing or GNC are strong advantages for the job.

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

Role

- Be responsible of the development, testing, debugging, and modification of embedded flight software.
- Manage software source code, changes, testing, and releases.
- Support the testing and validation activities of ASTRAEUS and/or CYCLOPS.
- Preparation of the documentation for design reviews.

Must have

- At least 5 years of professional experience in the relevant field
- Experience in Software portability and development board testing



- Good comprehension of electronics
- English proficiency
- Experience in the cross-platform development of embedded software in VHDL, C and C++ in environments with high software reliability requirements.
- 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

- Master degree/PhD in any relevant field, or equivalent
- Experience in aerospace
- Experience in product development
- Experience in communication
- Experience in prototyping and testing
- Experience in any other design field (Electronics, GNC...)
- European Citizenship

Contact

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