



## ***Systems Engineer, based in Luxembourg***

Odysseus Space is looking for a full-time Systems Engineer to join our headquarters in Luxembourg. The role will support the definition, development, and verification of space and ground laser communication systems. Fluency in English is required, as well as both theoretical and hands-on experience in system engineering. The role is open to candidates with experience in spacecraft or satellite payloads, ground segments, or wireless communication systems. The successful candidate will apply strong systems engineering fundamentals across the full lifecycle, from requirements elicitation and prototyping, through to development, integration, verification and operation.

### ***About us***

Odysseus Space is a Luxembourg-based space technology company founded in 2019 with a bold mission: to enable light-speed connectivity everywhere in the Solar System by overcoming the data bottleneck and security limitations of traditional radio frequency systems. At the core of this vision is Cyclops™, our end-to-end laser communication solution that delivers fast, secure, and cost-efficient space-to-ground data transfer. With a young, international team of experts, Odysseus Space offers a unique opportunity to work on transformative technologies, serving both commercial and defence applications, and shaping the future of space communications.

### ***Responsibilities***

- Translate mission and operational needs into clear requirements, architecture, and constraints.
- Elicit, analyse and maintain stakeholder and system requirements and compliance tables.
- System performance modelling, simulation, and model validation.
- Manage system budgets and trade-offs.
- Manage and monitor the technical tasks and risks across a multi-disciplinary team.
- Define, develop, and verify the interfaces between subsystems.
- Support system-level testing, including in the lab/cleanroom and field/on-orbit tests.
- Technical marketing support such as customer briefings, proposals and white papers.

### ***The right candidate***

- Holds at least a master's degree in a relevant engineering discipline, with a minimum 2 years of experience.
- Is familiar with Model-Based Systems Engineering (MBSE) or Model-Based Design, and motivated to apply it.
- Background in one or more relevant domains such as: Free Space Optics (FSO), fibre optics, satellite systems, channel modelling, ground stations, control systems, Space Situational Awareness, communication theory.
- Has had exposure to the full product development lifecycle from requirements to V&V and operation.



- Experience in either multi-disciplinary design, multi-physics simulation, or complex R&D/prototyping.
- At least basic awareness of the engineering disciplines; optics, photonics, electrical, thermomechanical, control systems, embedded systems and software.
- Is comfortable with Microsoft Office, Teams, Asana and can quickly become proficient in new software.
- Communicates clearly and effectively in English, both verbally and in writing, and collaborates well in a team.
- Is highly organized and capable of planning and guiding complex technical work across multiple disciplines.
- Is a reliable, motivated, and pleasant colleague who thrives in a fast-paced startup environment.
- Has experience writing high-quality technical documentation.

### ***What we offer***

- **Exciting startup** – Space lasers with a NewSpace approach, with exposure to the full development lifecycle.
- **Collaborative and International Team** – Work with a diverse, passionate team pushing the boundaries of laser communications for space in an ambitious and fast-growing startup environment.
- **Relocation Assistance** – Support for candidates joining us from abroad to help you settle comfortably.
- **Lunch vouchers** plus additional fruit, snacks, drinks, and other day-to-day conveniences.
- **Professional Growth Opportunities** – Opportunities for training, conferences, and continuous learning to support your technical and career development.
- **Paid time-off** which adds to around 40+ days including public holidays.
- **Social events** – A friendly culture with indoor/outdoor events, games nights, restaurant trips etc.
- **Flexible working hours**

### ***How to apply***

Send your resume and motivation letter to: [hr@odysseusspace.com](mailto:hr@odysseusspace.com)