InSpacePropulsion Technologies GmbH
Im Langen Grund,
74239 Hardthausen, Germany

**Do you want to disrupt the space market together with us?
Then this job is for you!**

We are looking for a

Intern for HIP_11 Propulsion Systems (F/M/X)

Time: 6 Months +
Start date: Immediately

You will contribute to the development of ISPTech's in-space propulsion systems, which are based on the novel green, hypergolic propellant combination HIP_11. HIP_11 consists of highly concentrated hydrogen peroxide and an ionic liquid fuel, offering low toxicity and thus reduced handling time and cost compared to conventional storable propellants typically used in spacecraft today. You will work together with our engineering team on ongoing customer and internal projects.

With a lean team and fast decision-making, you will have the opportunity to demonstrate a problem-solving approach and work closely with others. You will have a large degree of freedom to operate.

The background

Space business is booming: the space market is growing rapidly, new market segments are opening, and disruptive changes are taking place. As consequence of this rapid growth, the number of satellites and spacecraft is strongly increasing – and many spacecraft need a propulsion system to perform their specific task.

Who we are

ISPTech builds green, innovative and affordable propulsion technologies for any spacecraft size. Based on more than 10 years of research and development at the German Aerospace Center (DLR), the founders developed technologies that work with green (non-toxic) propellants. Our systems are characterized by a high efficiency, reliability and allow significant cost reductions.

We will satisfy the desperate demand for affordable, green and robust propulsion technologies and propel the whole space ecosystem.

Recently, we raised a pre-seed round and our relevance for the NewSpace market is backed by renowned deep-tech investors.

Your Main Responsibilities

- Screening and evaluation of commercial off the shelve (COTS) components for propulsion systems.
- Design, optimization and monitoring of the manufacturing process for components in space propulsion systems.
- Preparation of test campaigns on component and system level.
- Conduction of the tests at internal and/or external facilities and analysis of the test data.

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Your Qualification

- Student in aerospace engineering, mechanical engineering or related field
- Interest in space sector and space hardware
- Hands-on mentality, not afraid of getting hands dirty and approaching new fields of work
- Fluent in English, German is a plus
- Experience with CAD tools (e.g. Fusion, NX, Catia, Inventor or similar)
- Ideally: Experience with fluid systems, valves and mechanical work

Our Benefits

- Flexible working time
- Combination of working in the office, at home, and on the go
- Professional skills development through a broad base of responsibilities and freedom
- You will be an integral part of current projects and work directly with the engineering team
- An exciting work environment encompassing the whole process from the development, building and launch of space propulsion systems
- Engage directly and actively participate in the end-to-end development processes of an expanding NewSpace start-up

Location

ISPTech is represented at two locations:
One at the DLR Institute of Space Propulsion in Hardthausen am Kocher and a second in a central location in Ludwigsburg.

Contact

Do you want to build something from scratch and really make an impact – then you should join our team!

Marc Gritzka (Lead Engineer HIP_11) and **Felix Lauck** (CTO and co-founder)

E-Mail: career@isptech.space