



Do you want to disrupt in-space propulsion together with us? Then this job add is for you!

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 each spacecraft needs a propulsion system to perform its specific task.

Here ISPTech's propulsion technologies come into the play. Based on more than 10 years of research and development at the German Aerospace Centre (DLR), ISPTech's founders developed propulsion technologies that work with green (non-toxic) propellants. Our propulsion systems are characterized by a high efficiency, reliability and allow significant cost reductions.

By using these advanced propulsion technologies, ISPTech will satisfy the desperate demand for affordable, green and robust propulsion technologies and propel the whole space ecosystem.

ISPTech's relevance for the NewSpace market is backed by renowned deep tech investors.

To further develop, test and optimized our HIP_11 and HyNOx propulsion system, we are looking for a

Propulsion Engineer (F/M/X)

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.

Your Main Responsibilities

- Design, optimize and test in-space propulsion hardware for our HyNOx and HIP_11 propulsion technologies
- Preparation, conduction and evaluation of test campaigns with thruster and propulsion systems
- Setting up and extending test bench hardware
- Analysis of test data, comparison and optimization of numerical and empirical models
- Definition of hardware requirements and design changes based on customer feedback
- Screening, selection and procurement of test and propulsion hardware
- Preparation and conduction of test- and project reviews with partners and customers
- Taking project responsibility for the development of specific system components

Your Qualification

- Master's degree or higher in Aerospace engineering, mechanical engineering or related field
- Solid knowledge and experience with CAD tools (e.g. Catia, Inventor or similar)
- Knowledge and experience in Python, Matlab or similar computer language
- Experience in designing and testing propulsion hardware
- Hands-on mentality, not afraid of getting hands dirty when working at the test bench
- Interest in space sector and space hardware
- Fluent in English, fluent in German is a plus



Your Benefits

- An exciting work environment encompassing the whole process from the development, building and launch of space propulsion systems
- Flexible working time, 30 days of holiday
- Combination of working in the office, at home, and on the go
- Professional skills development through a broad base of responsibilities and freedom
- Engage directly and actively participate in the end-to-end development processes of an expanding NewSpace start-up

Location

At the moment, we are based in Hardthausen am Kocher, specifically at the DLR Institute of Space Propulsion, which is around 70 km north of Stuttgart.

In 2024, a second site in the greater Stuttgart area will be opened.

Contact

Do you want to build something from scratch and really make an impact – then you should definitely join our team! If there are any uncertainties, don't hesitate to reach out at any time.

Lukas Werling (CEO and co-founder) and **Felix Lauck** (CTO and co-founder)

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