



## 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 develop, test and optimized our propulsion system's measurement and control electronics, we are looking for an

## Embedded System Engineer (F/M/X)

Your responsibilities include hardware as well as software development.

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

- Desing and development of embedded systems for spacecraft propulsion
- Perform detailed calculations to establish manufacturing, construction, and installation standards and specifications
- Inspect electronic equipment, instruments, and systems to make sure they meet standards and applicable regulations
- Perform tests and analyse test data to ensure the functionality and performance of the designs
- Monitoring and close exchange with external suppliers for hard- and software development
- Definition of hard- and software requirements based on customer feedback
- Evaluation, procurement and modification of suitable measurement and control systems for test bench applications

### Your Qualification

- Bachelor degree or higher in electrical engineering or related field
- Experience in embedded systems engineering
- Knowledge of measurement and control systems for different applications
- Interest and experience in space sector and space hardware
- Fluent in English, fluent in German is a plus
- Experience with ECAD tools
- Solid knowledge of computer language e.g. C++, Python



## 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)

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