



HE Space is a successful international space company. For over 30 years, we have been supporting our customers with qualified experts in the field of engineering, science and administration. We are currently looking for a **Firmware Engineer** to support our customer in Germany.

Firmware Engineer

Key Tasks and Responsibilities

As part of the Kineis team, you will be involved in developing the signal processing within a new Payload for an IoT application where understanding of involved HW- and Firmware-technologies as well as the interfaces to the software processing is required.

You will have the following responsibilities:

- Development of the interfaces between HW and FW and signal processing/algorithms for IoT and L-Band applications, implementation & test, support to an in-the-field testbed;
- RF Signal processing development support in new IoT applications;
- VHDL-implementation of low-level driver and interface control & configuration, functional and performance testing;
- Technical planning of the firmware development aligned with the payload development;
- Estimation and conduction of the FW development activities;
- Analysis and correction of anomalies raised;
- Contribute to product firmware documentation.

Skills & Experience

You will have the following qualifications and relevant experience:

- Degree in Electronics (preferably RF and digital electronics), or equivalent;
- Several years of experience in the industry;
- Deep FPGA tools knowledge including timing closure for FPGAs;
- Familiar with Mentor Modelsim and with Xilinx FPGA and SoC devices like Zynq Ultrascale+ including 3rd party IP, and Vivado;
- Implementation of High Speed Serial interfaces such as PCIe, Aurora, JESD204B;
- Implementation of on-chip bus AMBA AXI;
- Application knowledge in communications, high speed data transfer and signal processing;
- Familiar with optimization of RF signal processing algorithms for limited FPGA resources;
- Familiarity with programming in MATLAB HDL Coder;
- Ability to co-ordinate and instruct a small team of firmware and software developers;
- Fluency in English is mandatory; knowledge the German language or of another European language is an advantage.

This job is located in **Stuttgart**. We welcome applicants who are available as soon as possible.

If you think you have what it takes for this job, please send us your CV together with a letter of motivation (both in English and in Word) to Ms Chiara Grossardi at jobs@hespace.com, quoting job **DE-4195**.

An exciting and dynamic international working environment awaits you!