Hardware Engineer

Space Products and Innovation spins technology into the space industry to simplify manufacturing. SPiN enables rapid, flexible, and cost-effective satellite designs through modularity, by combining MA61C, its plug-and-play intelligent data node, with system engineering. SPiN democratises access to space, empowering manufacturers to unlock new ventures.

Job purpose

SPiN is looking for a hardware engineer to support the design and development of MA61C PCB electronic boards at various qualification levels. The hardware engineer will be responsible for MA61C avionics design & development, along with schematic & PCB layout, testing, and hardware & system integration. The person will be hired directly to support the development of the modular Attitude Determination and Control System (mADCS) project.

Duties and responsibilities

- Design of hardware schematics and PCB layout using Altium
- Development of electronic circuits
- Manage procurement of components for the project
- Management of PCB manufacturers for the best quality deliveries
- Management of production & assembly of electronic components and casing
- Design of System-level architecture along with development (or support) of CAD model(s)
- Plan and support EGSE design for the project
- Definition and setup of Assembly Integration and Testing (AIT), including harness design and development
- Execution of validation and verification plans, including test bench and HiL tests
- Support developing technical documentation, including ICDs, AIT, TPs/TRs, equipment lists, etc.
- Participation in solving interdisciplinary challenges
- Customer support, if necessary

Qualifications

- Master's in electrical and Electronics, Computer Science, or similar
- MSc in Electrical/Electronics/Telecommunications/Aerospace engineering
- At least five years of professional experience with electronics design, including PCB schematics and layout, manufacturing, and testing
- Experience working in the space sector is an advantage
- Experience in lab, testing, and handling measurement instruments
- Experience working with system engineering tools
- Experience with component placing, routing and layering in Altium Designer or similar
- Experience developing documentation such as ICDs, AIT plans, TPs/TRs, equipment lists, etc.
- Knowledge of ISO, IPC, and ECSS standards regarding PCB design, fabrication, and assembly
- Experience in programming is an advantage
- Fluent in English

Working conditions

- Relocation to Darmstadt, Germany
- Start date: Q1 2025

Please fill in the application form to apply for this opportunity: https://wkf.ms/3rlgV6x
For more information, you can contact us at hr@spinintech.com

SPiN GmbH
Robert-Bosch-Straße 7, 64293 Darmstadt, Germany
hr@spinintech.com
www.spinintech.com