



Experienced Avionics Engineer

Start-up description

SPiN is a space company specialized in spinning technology from other industries into the space sector. Its core solution is a plug and play adapter to integrate satellites like lego and reduce cost and time of satellite manufacturing. SPiN's solution is a Multipurpose Adapter Generic Interface Connector (MA61C), a universal adapter that connects any sub-system to any spacecraft platform. The MA61C adapter eases the MAIT process and provides a friendly interface directly to the sub-system during assembly and integration of the satellite. More details about MA61C can be found at <http://www.spinintech.com/>

Job purpose

The avionic engineer will be part of the system engineering team of SPiN and will be responsible for system design, development and implementation of satellite avionics concepts using MA61C and the MA61C EGSE, cubesat, ADCS, small satellite and spacecraft versions.

Duties and responsibilities

- Requirements definition and consolidation
- System design, development, and trade off, including subsystem and interfaces
- Preparation of Test Descriptions, Test Procedures, and Test Reports
- Development of electronic board housing
- Review of electronic board layouts
- Management of production & assembly of electronic components and casing
- Documentation and Customer support

Qualifications

- MSc in Aerospace engineering or Electrical & Electronics engineering
- At least 3 years experience of avionics development in the space sector
- Experience in ADCS/GNC development is an advantage
- Experience with at least 4 out of these 7 interfaces - UART, RS232/RS485, CANBUS, I2C, SPACEWIRE, and MIL1553B
- Experience working with microprocessors
- Experience working with system engineering tools
- Experience with Altium is desirable.
- Fluent in English

Working conditions

- Relocation to Darmstadt, Germany
- Start date: Q1 2021

Please send CV and motivation letter to: ma61c@spinintech.com