



## Space System 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 subsystem to any spacecraft platform. The MA61C adapter eases the MAIT process and provides a friendly interface directly to the subsystem during assembly and integration of the satellite. More details about MA61C can be found at <http://www.spinintech.com/>.

### Job purpose

The space system engineer will be part of the system engineering team of SPiN. The person will be responsible for system design, development, implementation of satellite avionics concepts using MA61C for testing, subsystem integration such as attitude and control system, and complete spacecraft integration.

### Duties and responsibilities

- Analysis and consolidation of user requirements
- Flow down of user requirements to space system requirements
- Subsystem and software requirements analysis
- Manage budget and gap analysis
- Tradeoff between requirements
- Design of space system and avionics concepts
- Definition of Assembly Integration and Testing (AIT) plan
- Management of production & assembly of electronic components and casing
- Execution of validation and verification plans
- Participation in solving interdisciplinary challenges

### Qualifications

- MSc in Aerospace engineering or Electrical & Electronics engineering
- At least 3 years experience of Space System engineering
- At least 2 years experience in Avionics Development
- Experience in ADCS/GNC development is an advantage
- Experience with at least 4 of these interfaces - UART, CANBUS, I2C, SPACEWIRE, MIL1553B, SPI
- Experience working with system engineering tools
- Fluent in English

### Working conditions

- Relocation to Darmstadt, Germany
- Start date: Q4 2022

Please send CV and motivation letter to: [ma61c@spinintech.com](mailto:ma61c@spinintech.com) .