



Junior Space System Engineer

Space Products and Innovation (SPiN) is a leading provider of modularity solutions for the space sector, offering satellite integration solutions to transform satellites to modular systems, empowering satellite manufacturers to spend high-value time and money where it counts: pursuing new ventures. In addition to MA61C, an intelligent plug and play data node to integrate satellite components off the shelf without user intervention, SPiN provides a service to design satellites in a flexible concept using model based system engineering methodology. Founded in 2020, SPiN Inc. has sister companies in Germany, Italy, the UK and Luxembourg. In 2022, SPiN GmbH launched its first CubeSat to demonstrate its technology in orbit. In 2023 SPiN completed a NASA SBIR Phase 1 contract, including a build and demonstration of a MA61C adapter. More information can be found at <http://www.spinintech.net/>.

Job purpose

The space system engineer will be part of the system engineering team of SPiN. The person shall support system design, development, implementation of satellite avionics concepts using MA61C for testing, subsystem integration such as attitude and control system, and complete spacecraft integration. The Junior Space System Engineer will join the company to work on the Air Force Phase 2 SBIR and support additional activities described in duties and responsibilities including working on future proposal activities.

Duties and responsibilities

- Support in analysis and consolidation of user requirements
- Flow down of user requirements to system requirements, subsystem, and software requirements
- Support in the management of budget and gap analysis
- Tradeoff between requirements
- Support in the design of space systems and avionics concepts
- Support in the definition of Assembly Integration and Testing (AIT) plan
- Support in the management of production & assembly of electronic components and casing
- Execution of validation and verification plans
- Support MBSE proposals projects
- Generation and management of MBSE viewpoints, diagrams, and artefacts
- Participation in solving interdisciplinary challenges

Qualifications

- MSc in Aerospace engineering
- Knowledge of System engineering activities is an advantage
- Knowledge of satellite avionics
- Experience with Matlab/Simulink or similar programming languages is an advantage
- Experience working with MBSE tools
- Experience working with test and debugging tools is an advantage
- Ability to write technical documentation
- Fluent in English

Working conditions

- Remote. Option to work from our office in Albuquerque, New Mexico.



- Start date: Q3 2024

Additional requirement - To conform to U.S. Government space technology export regulations, including the International Traffic in Arms Regulations (ITAR) you must be a U.S. citizen, lawful permanent resident of the U.S., protected individual as defined by 8 U.S.C. 1324b(a)(3), or eligible to obtain the required authorizations from the U.S. Department of State.

Please send CV and motivation letter to: tal.azoulay@spinintech.net.