



## Senior Space System Engineer

### Start-up description

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-Germany launched its first CubeSat to demonstrate its technology in orbit. In 2023 SPiN-USA 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 lead 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. The position will also include product development and customer interfacing. Position will also include working in collaboration with business development activities.

### 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, including defining EVT plan
- Participation in solving interdisciplinary challenges
- Develop new customer and stakeholder relations and maintain the existing ones
- Develop, write and submit business proposals in coordination with other teams
- Support the assessment of technical budgets in proposals

### Qualifications

- MSc in Aerospace engineering or Electrical & Electronics engineering
- At least 5 years experience of Space System engineering
- At least 3 years experience in Avionics Development
- Experience with at least 4 of these interfaces - UART, CANBUS, I2C, SPACEWIRE, MIL1553B, SPI
- Experience working with system engineering tools
- Experience in project proposal writing
- Fluent in English

### Working conditions

- Full-time position
- 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](mailto:tal.azoulay@spinintech.net).