

Aerospace Engineer V

Middleburg Heights, OH

ZIN Technologies, Inc. is a federal contractor. Pursuant to Executive Order 14042, Federal contractors and subcontractors with a covered contract will be required to conform to the workplace safety protocols which include COVID-19 vaccination of covered contractor employees, except in limited circumstances where an employee is legally entitled to an accommodation (i.e. disability, sincerely held religious beliefs, etc.).

Description

Communications Services Project (CSP) will focus on demonstrating the feasibility of commercially provided SATCOM services to NASA missions. As a primary objective, CSP aims to demonstrate commercially provided space-based relay communications and navigation (C&N) services appropriate for NASA's near-Earth spacecraft users. The demonstrations will result in an evaluation of technical and operational performance, cost of services, business case, and security compliance to inform a recommendation for the acquisition for operational commercial SATCOM services.

Responsibilities:

A senior level systems engineer with experience in aerospace lifecycle desired to support NASA space communication systems management.

Specific job role/functions are as follows:

- Provide technical and project management support while managing/leading a multicompany activity for ZIN:
 - Develop the definition of an Enterprise Service Management (ESM), identifying the activities, processes, policies, and supporting tools needed to acquire and manage commercial SATCOM services for NASA missions
 - Manage transition planning of NASA missions currently using TDRS and/or DTE to commercial SATCOM services being organized by CSP
 - Finalize all details needed to support the procurement of an ESM, including recommendations for 'make' vs 'buy'
 - Manage the creation of all elements for ESM including:
 - NASA mission service planning
 - SATCOM service acquisition/procurement
 - Service delivery to missions including selection, integration, testing, monitoring, and support
 - Business systems including analytics, contracts, communications, training
 - Network and Security Management services

Requirements

- **U.S. CITIZENSHIP OR VALID GREEN CARD HOLDER REQUIRED**
- **Proof of COVID-19 vaccination, except in limited circumstances where there is a legal entitlement to an accommodation (i.e. disability, sincerely held religious beliefs, etc.)**

- 10-15 years in NASA/DoD/commercial aerospace industry including work in small interdisciplinary teams.
- Knowledge of communications or related systems engineering experience (i.e. small sat, terrestrial communications) is a plus.
- Desired skills include change management, business management, problem-solving, innovation, interpersonal skills, customer service, continued learning and agility, communication, artificial intelligence and analytics, automation.
- Experience with the following is a plus: satellite communications, IT/cyber security, product and service management/development, scheduling, NASA TDRSS, demonstration of leadership and systems architecture engineering.

Preferences

- A strong project lifecycle support/management experience is important and understanding of existing space communications networks and assets a plus.
- MS/PhD preferred

About Us

ZIN Technologies, Inc. is a federal contractor and an award-winning AS 9100 registered small, disadvantaged business (SDB) headquartered in Northeast Ohio. Established in 1957, ZIN is a leader in providing advanced engineering services and product development solutions for NASA, DoD and private industry.

ZIN provides full lifecycle development of aerospace systems including design, development, engineering, integration, test, evaluation, orbital operations, systems modeling, simulation, verification, and validation. The flight hardware lifecycle spans concept definition, design, development, fabrication, verification, integration, launch, operations, and data processing.

We offer expertise in multi-discipline engineering, system and product development, production, and research and technology development. ZIN'S engineering capabilities include systems, mechanical, electrical, fluids, propulsion, structural, thermal, integration and test.

ZIN has a strong heritage in the areas of Space Operations including payload operations, space communications, navigation and network reconfigurable testbed. ZIN supports exploration systems (ORION, SLS, ISS, commercial vehicles) and space technologies (advanced communications, power, propulsion, cryogenics).

Our award-winning 200+ person organization consists of scientists, engineers, designers, and technicians. ZIN employs an integrated performance-based management approach, providing experienced people, proven processes and tools and exceptional cost, schedule, and technical performance while identifying and managing program and project risks.

Offering Unsurpassed Product, Process and Service:

- Prime contractor
- Sub-contractor
- Product manufacturer

- Value-added service provider

Company Benefits and Programs

In addition to competitive salaries, ZIN offers excellent benefits to our associates, including medical, vision, and dental insurance; short- and long-term disability; life insurance; paid leave and paid holidays; 401(k) retirement plan (immediate vesting); education and training reimbursement; professional development opportunities; employee assistance program; flexible spending plans; credit union membership; and direct deposit.

ZIN-Technologies, Inc. is an Equal Employment Opportunity Employer

Minority/Female/Disabled/Veteran