

Satellite Communications Systems Engineer

Middleburg Heights, OH

THIS POSITION WILL REQUIRE RELOCATION TO THE GREATER CLEVELAND AREA WITHIN 6-12 MONTHS AFTER HIRE

Description

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

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:

- 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 (Tracking and Data Relay Satellite) 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**
- 10-15 years in NASA/DoD/commercial aerospace industry including work in small interdisciplinary teams.
- Knowledge of small sat, terrestrial, etc. communications

- Related NASA based systems engineering experience
- Experience with one or more of the following:
 - satellite communications architecture
 - IT/cyber security
 - product and service management/development
 - scheduling
 - NASA Tracking and Data Relay Satellite
 - systems architecture engineering
- Additional required skills include change management, business management, problem-solving, innovation, interpersonal skills, customer service, continued learning and agility, communication, artificial intelligence and analytics, automation.

Preferences

- A strong project lifecycle support/management experience
- 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.

As a federal contractor, ZIN Technologies strives to comply with all applicable customer, federal, state, and local requirements, up to, and including, COVID-19 vaccine regulations. ZIN Technologies may require its employees to obtain full COVID-19 vaccination, provide proof of vaccination status as a condition of employment, provide documentation to substantiate a valid exemption, as defined by law, and/or comply with all safety protocols related to COVID testing, mask wearing, and physical distancing while in covered contractor workplaces.

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

Minority/Female/Disabled/Veteran