



POSITION ANNOUNCEMENT
Reno, Nevada

LEAD AIRCRAFT SYSTEMS ENGINEER
Air Operations

Starting Salary: \$123,000 per annum, DOE
FLSA: Exempt

***Tactical Air Support is a Nevada Center for Entrepreneurial Technology (NCET) 2019
Aerospace / Aviation Company of the Year***

Tactical Air Support, Inc., a national company headquartered in Reno, Nevada, provides domestic and international “Center of Excellence” training and advisory services in tactical aviation and is seeking an experienced **Lead Aircraft Systems Engineer** to join its **Air Operations** team.

Tactical Air’s motto is “*We Serve Those Who Serve*” and our company’s purpose is twofold: we help make the world more secure through our efforts to improve the military capabilities and security of the United States and our partner nations, and we create an environment where our employees can discover, develop, and share their talents in a way that provides a meaningful career path.

The **Air Operations**’ team mission is to develop and provide aircraft for Contract Air Services (CAS) support of U.S. military training. The Lead Aircraft Systems Engineer position is an integral part of a dedicated, elite team of professionals who get things done, enjoy working together, and are committed to growing with this fast-moving company.

This position is located in Reno, Nevada. With a population of over 400,000, the Reno/Sparks area is a thriving, growing community nestled along the eastern slope of the Sierra Nevada mountain range. Reno/Sparks and the surrounding area, including a short drive to beautiful Lake Tahoe, offers a variety of arts and entertainment, an eclectic restaurant scene, and unlimited recreational activities. There is truly something for everyone. Check out <https://workliveplayrenotahoe.com/> for more information.

The ideal candidate for the Lead Aircraft Systems Engineer position will be highly experienced, professional, disciplined, team-oriented, technically astute, and responsive to the needs of the company, colleagues, and Department of Defense (DoD) customers. Reporting to the Chief Engineer, this position is vital to Tactical Air’s ongoing viability and performance by ensuring production and availability of CAS aircraft. The Lead Aircraft Systems Engineer will execute engineering design, development, test, and analysis of aircraft and systems to include Tactical Air’s F-5E/F Advanced Tiger (F-5AT™) and CF-5D series aircraft. This position will be part of a ground-breaking team blazing new paths for its customers in the Adversary Aircraft Fighter mission.

The key desirable and preferred requirements for this position include:

- Bachelor’s degree and education specific to mechanical or aerospace engineering preferred.
- Ten years’ experience in aerospace, defense, or federal contractor industry with background of updating and modifying aircraft and aircraft systems.

- Experience working with and designing electrical drawings, circuit schematics, and block diagrams utilizing software-aided design tools.
- Demonstrated knowledge of sound engineering principles, electronic and electrical circuit design and schematics, testing, systems analysis, calibration, and repair of aircraft electronic, communication, and network systems.
- Knowledgeable of commercial and military aircraft power, including 28vDC, three-phase 115vAC 400HZ, and 270vDC; aircraft analog interfaces including selsyn, synchro, sin/cos, and variable DC and AC voltages.
- Knowledgeable of computer architecture include Ethernet, RS232/422/485 serial, MIL-STD-1533, ARINC 429, and USB standards; Local Area Networking (LAN) interface standards and protocols to include Virtual LANs (VLANS).
- Demonstrated knowledge of Link-16, TCTS, and other aircraft data networks.
- Ability to troubleshoot aircraft electrical and electronic systems and reverse engineer electrical components.
- Ability to troubleshoot RF, antennas, interfaces for Communication, Navigation, and Identification (CNI) systems, and airborne GPS/INS systems.
- Ability to support airworthiness approval process, including MIL-HDBK-516 and FAA Federal Aviation Regulations (FAR).
- Ability to conform to U.S. DoD Communications Security (COMSEC) and Transmission Security (TRANSEC) methods and procedures.
- Ability to handle classified materials and Controlled Cryptographic Items (CCI) utilizing government-approved network and email systems.
- Experience with Helmet Mounted Cueing Systems (HMCS) preferred.
- Experience with Air-to-Air Radars and Radar Warning Receiver systems preferred.
- Experience with Garmin Flight Management Systems (FMS) advantageous.
- Strong interpersonal skills and ability to provide excellent customer service.
- Strong organizational and time management skills with ability to correctly prioritize workload to maintain schedules, deadlines, and standards on assigned projects.
- Ability to manage multiple roles and projects and to see the big picture.
- Ability to remain calm under pressure and be adaptable.
- Ability to cross-train into other specialties.
- Ability to read, listen to, and understand information and ideas verbally and in writing.
- Creativity, positivity, and confidence.
- Regular travel to various work sites throughout the U.S. may be required.
- Current U.S. government security clearance.
- This position is subject to pre-employment and random drug/alcohol screening (including for marijuana).

Tactical Air offers a comprehensive benefits package, including (but not limited to) 401K retirement savings plan with employer match, full health/dental/vision care, and life insurance. The level of position offered will be dependent upon background and qualifications. If you are a dynamic, self-motivated individual who appreciates challenging yet rewarding work, with a keen interest in cutting-edge aircraft mission systems development and maintenance, Tactical Air invites you to apply.

All applicants must submit a cover letter, current CV/resume, and completed employment application. For complete position profile and application, please go to the Careers page at www.tacticalairsupport.com.

This position will remain open until filled.

If any candidate requires assistance in accessing or completing an employment application, please contact Human Resources.

Tactical Air is proud to be an EOE AA M/F/Vet/Disability Employer

Tactical Air Support, Inc. Position Description

LEAD AIRCRAFT SYSTEMS ENGINEER

Reports to: Chief Engineer
Classification: Non-Exempt
Date: 1 May 2020

Tactical Air Shared Values:

- **Integrity** – we are honest and truthful in what we say and do.
- **Excellence** – we develop the highest quality people, products, and services.
- **Respect** – we are proven experts valued for our ability and experience.
- **Reliability** – we provide consistent, dependable, and trusted performance.
- **Commitment** – we are dedicated to our mission, customers, and each other.

Core Values:

- **Character matters.**
- **Safety is a byproduct of our professionalism.**
- **Excellence is our standard.**

Employees are expected to apply and follow these principles in the performance of their respective duties:

- Pursue excellence and be accountable.
- Develop working knowledge of company programs and services.
- Learn and comply with company and departmental policies, protocols, and systems.
- Apply customer service practices and emotional intelligence to cultivate and maintain professional and respectful relationships with co-workers, customers, public/private officials, partners, suppliers, local communities, and the general public.
- Be aware of safety program and policies and practice safe work habits.
- Perform quality work with or without direct supervision.
- Work collaboratively, cooperatively, and effectively with co-workers, managers, and stakeholders whether as a team player, team leader, or individual contributor.
- Serve as a mentor, coach, encourager, and motivator to fellow colleagues as needed.
- Exercise self-motivated, self-directed, independent, and mature decision-making, problem-solving, creative thinking, and analytical skills.
- Approach work with energy, a positive attitude, and sense of humor.
- Be flexible, adaptable to change, and willing to learn.
- Be a good steward of company resources, using time and resources wisely.
- Safeguard confidential and proprietary information in accordance with company and legal requirements.

Position Summary

Under general direction, the Lead Aircraft Systems Engineer will be responsible for activities involved in engineering and design of advanced fighter aircraft systems. This position requires application of sound engineering principles to participate in the program management, research, design, development, installation, test, and analysis of new and existing aircraft systems. The Lead Aircraft Systems Engineer will provide support for the rapid modification, verification, and fielding of new and innovative technology in high-performance fighter aircraft.

The following education and experience; essential functions; knowledge, skills, and abilities; physical demands; work environment; and authorizations/clearance are generally representative of the *minimum*

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or preferred requirements to enter the job and capably perform the duties and responsibilities. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions of this position.

Education, Work Experience, and Licenses

- Technical degree in Engineering, Math, or Science; Bachelor's degree in Mechanical or Aerospace Engineering or related discipline preferred.
- Ten years' demonstrated experience updating and modifying high-performance aircraft and aircraft systems.
- Experience in design, review, and approval of engineering documents and drawings.
- Experience working with and designing electrical drawings, circuit schematics, and block diagrams utilizing computer-aided drawing tools.
- Preferred experience with Helmet Mounted Cueing Systems (HMCS), Air-to-Air Radars and Radar Warning Receiver systems, and Garmin Flight Management Systems (FMS).
- Equivalent combination of training, education, and experience in a relevant field or industry will be considered in lieu of degree.
- Valid State Driver License.
- Familiarity or experience with federal (DoD) contractors and the aerospace, defense, or commercial aviation industry advantageous.

Essential Functions Required

The essential functions for this position may include, but are not limited to:

- Test and troubleshoot aircraft systems to include wire tracing and reverse engineering utilizing electronic measuring tools and test equipment.
- Review and approve electrical and mechanical technical drawings and other aircraft systems documents.
- Configure and maintain aircraft mission computer, mission planning laptop, and related systems.
- Provide support for the rapid modification, verification, and fielding of new and innovative technology.
- Collaborate with maintenance, modification teams, pilots, and program management in support of mission systems.
- Support airworthiness approval process utilizing MIL-HDBK-516 and FAA Federal Aviation Regulations (FAR).
- Ensure conformance with U.S. DoD Communications Security (COMSEC) and Transmission Security (TRANSEC) methods and procedures.
- Maintain continuous learning, education, and awareness of aircraft components and systems.
- Other duties as assigned.*

Knowledge, Skills, and Abilities (KSAs)

- Demonstrated knowledge and skill in electronic drawing design and block diagram layout.
- Knowledgeable in commercial and military avionics systems including hardware, software, antennas, and interfaces.
- Basic understanding of AC and DC electrical power and RF, analog, and digital signals.
- Ability to troubleshoot aircraft electrical and electronic systems and reverse engineer electrical components and airborne GPS/INS systems.
- Ability to utilize forensic approach to challenges or problems.
- Strong computer skills with ability to utilize various software and applications (Microsoft Office 365/GCC High preferred) for creating documents and reports, spreadsheets, presentations, publications; web-based applications for organizing work, communications, or data entry; virtual office/cloud-based file sharing; computer-aided drawing tools; project management applications (Smartsheets preferred).

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- Ability to properly handle classified materials, manage files, and maintain records in compliance with standard or required recordkeeping practices.
- Strong communication skills with the ability to provide information to colleagues, customers, co-workers, or other stakeholders (internal and external) utilizing various communication formats and tools, and exhibiting appropriate body language and listening skills, with emphasis on sharing or transmitting technical information with clarity and accuracy.
- Ability to plan and carry work through to completion with accuracy and strong attention to detail.
- Ability to comfortably manage multiple tasks and projects utilizing time management and organization skills.
- Knowledge of proper use of government classified networks, telephone, and email practices and etiquette.

Physical Demands

- Requires physical movements and postures normally associated with an aircraft hangar/shop/flight line environment.
- Extended periods of special vision requirements including close vision, peripheral vision, depth perception, and ability to adjust and focus.
- Extended periods of sitting and/or standing
- Extended use of desktop/laptop computer and peripheral equipment.
- Extended periods of reading and analyzing fine print.
- Occasional stooping, standing, and carrying.
- Occasional lifting up to 50 pounds or more (with assistance, if required).
- Regular use of hands and fingers to handle, feel, or operate objects, tools, or controls, reaching with hands and arms.
- Frequently required to actively talk, listen, and hear.
- Regularly ascend/descend stairs or ladders.

Work Environment

While performing the duties of this position, employees may encounter the following, but not limited to, work situations:

- Fast-paced, high-pressure, safety-conscience environment.
- Aircraft hangar, flight line, and/or warehouse environment with exposure to loud noises, fumes from engines and chemicals, unpredictable climate (hot/cold), electrical shock, and trip/slip hazards.
- Specific work hours determined by operational, departmental, or contractual requirements.
- Occasional evening, weekend, holiday, and overtime work required.
- Occasional travel to various work sites throughout the U.S. may be required.

Work Authorization/Security Clearance

- Must be lawfully eligible to work in the United States and complete a U.S. government I-9 Form.
- Must be eligible to obtain a U.S. government security clearance.
- Pre-employment, random, or for cause drug/alcohol testing (including for marijuana) required.

**The statements herein are intended to describe the general nature and level of the position but may not encompass all specific job tasks an employee so classified may be required to perform. As such, responsibilities, duties, and required skills may be changed, expanded, reduced, or deleted to meet the business needs of Tactical Air Support, Inc. Furthermore, this position description does not establish a contract or implied contract for employment.*