

FIBERTEK, INC.

AN ADVANCED PHOTONICS COMPANY

13605 DULLES TECHNOLOGY DR
HERNDON, VA 20171
703-471-7671

Senior Systems Engineer

Fibertek is seeking an experienced systems engineer to join our team and lead the development of advanced lidar, laser, and/or optical communications systems. You will exercise considerable latitude in advancing the development of laser-based technologies over a range of maturities from first prototype design and demonstration to delivery of operational systems in a military and/or space environment. This position requires a combination of technical leadership and program management and you will have diverse responsibilities throughout the development life-cycle that include:

- Leading the successful execution of system development programs including both programmatic and systems engineering responsibilities
- Establish key system-level requirements and the corresponding derived requirements for subsystems and components across multiple technical disciplines
- Assessment and mitigation of technical, cost and schedule risks with routine stakeholder communications
- Oversight of requirements verification testing and performance documentation
- Sustainment of healthy customer relationships as a primary technical point of contact with external customer organizations

This position requires a broad range of skills including technical expertise in laser-based systems for military and space-based applications and environments; a systems engineering mindset; and risk-based program management expertise. You will join an agile small business that has a dedicated team of technology and business leaders with 35 years of success behind them.

Requirements

- Bachelors or Masters degree in Optics, Engineering, Physics, or other related field
- >10 years professional experience including lead systems engineering positions on laser, lidar or laser communication programs
- US Citizen and eligibility to obtain a US Security Clearance
- Familiarity with engineering and development of optical systems for military or space missions
- Demonstrated experience in leading cross-functional teams as the lead systems engineer and/or program manager on laser-based programs
- Self-directed and motivated with excellent written and verbal communication skills

Desired Skills and Experience

- Expertise in related disciplines, such as: lidar, directed energy, fiber optics, imaging systems, beam control and/or pointing systems, imaging systems, signal processing, opto-mechanical design, thermal analysis, control systems, or others
- Experience with transitioning low TRL (prototype) systems from the laboratory to an operational space environment

Why Fibertek, Inc?

Fibertek is a small business with a 35-year history of leadership in delivering advanced laser-based systems and technologies to the defense and aerospace communities with an emphasis on first-of-kind systems developed for the most challenging environments. We are leaders in delivering lasers for space-based earth-sensing LIDAR for NASA (e.g., CALIPSO and ICESat-2 laser systems) and in developing advanced laser and sensor systems for LIDAR and other applications in the defense community. Fibertek has a deep portfolio of solid-state and fiber-based laser systems; has delivered multiple lidar sensors for 3D imaging, tracking and navigation; and has a rapidly growing product line in tactical pulsed fiber lasers. Fibertek fosters a progressive learning environment that values inspiration, promotes professional challenge and encourages personal growth. We offer competitive and incentivized compensation package with excellent benefits. Relocation assistance will be available.

How to Apply

Send your resume to jobs@fibertek.com.

Fibertek, Inc. is an equal opportunity and affirmative action employer. Applicants are considered regardless of race, sex, disability, veteran status or any other protected characteristic in accordance with applicable law.