

Opening position



Systems Engineer

Job Description

Systems Engineer

Job Title: Systems Engineer	Location: Warminster, PA
Direct Report: Sr. Systems Engineer	Email resume and cover letter to: hr@orbitfr.com

Company Overview:

The Microwave Vision Group (MVG) offers cutting-edge technologies for the visualization of electromagnetic waves. Enhancing the speed and accuracy of wireless connectivity testing, as well as the performance and reliability of anechoic and EMC technologies, our systems are integral to meeting the testing challenges of a fully-connected world. *It is the mission of MVG to provide highly-skilled engineering to our customers via integration of our corporate technologies. In doing so, we strive to deliver high-performance turnkey antenna, RCS, and radome measurement systems, components, and services.*

MVG, is the parent company of Orbit Advanced Technologies, Inc., (OATI). At OATI, we are committed to continual improvements and looking for you to help champion and drive us in this direction. We welcome candidates who will bring commitment and accountability to our tight-knit team in order to shape the future.

This proposed position is in an exciting fast-paced design-to-build environment where OATI takes novel (cutting edge) concepts from paper to model to the floor for integration. The Systems Engineer plays an important role in the process of understanding customer needs, converting these into requirements, and developing solutions in close collaboration with a broader team. The successful candidate will be required to coordinate with multi-disciplined groups within MVG to successfully create systems for microwave measurement test solutions in a multitude of technologies and disciplines.

The Candidate should have RF/antenna/electromagnetic/electromechanical experience in modeling, simulation, and testing of antennas and/or radar cross section (RCS) and radomes. System test and measurement experience we respect to the following subsystems, including RF or RCS, experience with near-field and far-field ranges, software, and electro-mechanical positioning systems is preferred.

Roles

- Work within a multi-discipline environment and provide a lead role in full system lifecycle including pre-sales discussions
- Collaborate with our global system & product engineering teams at the subsystem and system level
- Participate in design and development of MVG product subassemblies related to Microwave/Millimeter wave and/or RCS instrumentation systems
- Contribute to independent review and cross-program coordination to ensure subsystem designs are compatible
- Develop advanced system requirements/designs to subsystems design teams & manage product development through life cycle of the programs
- Extract, allocate, and manage requirements during the entire project lifecycle
- Contribute in preparation of & presentation of technical papers at domestic and/or international symposiums on accomplishments, development of the patents, system achievements, team achievements
- Hands on Lead and/or contribution to system installations, tests, data processing and analysis
- Assist and execute high level installation of designed subsystems to ensure customer success
- Participate in design and development of MVG product subassemblies related to Microwave/Millimeter

Required Skills & Experience

- // Self-motivated and accountable individual with the will to take ownership of execution of challenging/cutting edge programs
- // Excellent written and verbal communication skills (presentation capabilities required)
- // Strong analytical skills and the ability to solve complex problems
- // Experience with the systems engineering process and ability to scale according to program size
- // In-range experience with a variety of antenna test ranges, and knowledge of mechanical/robotic positioning systems
- // BS in Electrical Engineering (computer engineering or physics will be considered), advanced degree a plus
- // 2 – 5 years of total experience in pertinent areas, such as, but not limited to:
 - RF and Microwave measurement systems design and test (may include near-field, far-field, compact range, etc.)
 - Antenna theory, modeling, and design
 - Structured programming
 - MATLAB and other Modeling programs (CST, FEKO, etc.)
 - Embedded Systems
 - RF Signal processing
 - RCS Measurements & Image processing
 - DSP
- // US Citizen with ability to obtain security clearance
- // The position will require intermittent travel to complete system installation and/or testing

What's in it for you:

OATI offers a good work/life balance. We work hard and make time for fun. We offer excellent benefits (medical, dental, vision, 401(k) with 100% match, a wellness program, a volleyball court, parties, and seniority recognition/rewards, generous paid time off, career development/advancement.

OATI is focused on its employees and offering flexibility to our employees. We now offer a combination of onsite and hybrid working environments. OATI's office is in Warminster, PA, located in the bucolic and historic Bucks County. From Warminster, you are 45 minutes to Center City Philadelphia, 3 hours to Washington, DC and 90 minutes to New York City, the Pocono Mountains, and the New Jersey Southern shore.

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MVG

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