

Opening position



# Systems Engineer

# Job Description

## Systems Engineer

At **Orbit Advanced Technologies, Inc., (OATI)**, a division of **MVG**, we strive to deliver the most advanced antenna and RCS measurement facilities to the U.S. aerospace and defense industry. OATI is seeking driven individuals who excel in fast-paced environments, moving novel concepts from inception to commissioning. We welcome candidates who will bring commitment and motivation into our tight knit team, helping us shape the future.

As a **Systems Engineer**, you will lead the process of understanding customer needs, converting these into requirements, and developing technical solutions in close collaboration with the broader team. The successful candidate will coordinate with multi-disciplinary groups to successfully deploy systems for microwave measurement and test solutions.

### **Roles and responsibilities:**

- Manage system requirements and product development through life cycle of the programs.
- Function as overall systems architect, responsible for total integration of multi-disciplinary engineering technologies.
- Work within a diverse engineering environment to ensure the final system deliverable meets all system and quality requirements.
- Utilize analysis to validate system performance and design integrity.
- Collaborate within our global corporate divisions for training, product development and R&D.

### **Minimum Requirements:**

- BS in Electrical, Electro-Mechanical, Mechanical, Computer Engineering or Physics
- One year of experience and or internship in relevant fields
- Hands on engineering inclusive of factory assembly & test, system installations, data processing, and analysis
- Strong analytical skills and the ability to solve complex problems
- US Citizen with ability to obtain security clearance
- The ability to travel intermittently to deploy and commission systems

### **Desired Skills:**

- Antenna and RCS test range experience (may include near-field, far-field, compact range, etc.)
- RF and Microwave measurement systems design
- Experience using RF measurement instrumentation
- Antenna theory, modeling, and design
- MATLAB, Python or other programming languages suitable for performing engineering analysis
- Strong aptitude and knowledge of mechanical/robotic positioning systems
- Full-wave Modeling programs (CST, FEKO, etc.)
- RF modeling tools such as ADS or Microwave office
- RF Signal processing and Digital Signal Processing
- Image processing techniques
- Embedded Systems
- Exposure to civil engineering and construction practices
- Advanced Degree in a STEM field

If you are interested in this opportunity, send a Word or PDF version of your resume to: [JosephM@orbitfr.com](mailto:JosephM@orbitfr.com)

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