

Opening position



# Principal Systems Engineer

# Job Description

## Principal 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 **Principal 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 lead other Systems Engineers and work independently coordinating with multi-disciplinary groups to successfully deploy systems for microwave measurement and test solutions.

### **Roles and responsibilities:**

- Manage Systems Engineers responsible for gathering 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 or master's in electrical, Electro-Mechanical, Mechanical, Computer Engineering or Physics
- Ten + years of experience in RF measurement instrumentation or relevant field. Minimum of three years leading Systems Engineers.
- Antenna and RCS test range experience (may include near-field, far-field, compact range, etc.)
- RF and Microwave measurement systems design
- Hands on engineering inclusive of factory assembly & test, system installations, data processing, and analysis
- Antenna theory, modeling, and design
- Full-wave Modeling programs (CST, FEKO, etc.)
- RF modeling tools such as ADS or Microwave office
- MATLAB, Python or other programming languages suitable for performing engineering 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:**

- Strong aptitude and knowledge of mechanical/robotic positioning systems
- RF Signal processing and Digital Signal Processing
- Image processing techniques
- Embedded Systems
- Exposure to civil engineering and construction practices

If you are interested in this opportunity, send a Word or PDF version of your resume to: [josephm@orbitfr.com](mailto:josephm@orbitfr.com) or call me at 267.615.9234

**// ORBIT ADVANCED TECHNOLOGIES, INC.  
MVG**

650 Louis Drive, Suite 100,  
Warminster, PA 18974  
Phone : 215-674-5100 Fax: 215-674-5108

[www.mvg-world.com](http://www.mvg-world.com)

