



## Senior Mechanical Engineer | UAN – F9C206

**Department:** Engineering

**Location:** Office / MVG, Inc (Warminster, PA)

**Type:** Full-time

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### About the Role

The Senior Mechanical Engineer will design and develop advanced mechanical systems that support MVG's antenna measurement, RCS, anechoic, and EMC technologies. This role is ideal for an experienced mechanical engineer who can take concepts from a white-space idea through design, analysis, manufacturability, testing, integration, and commissioning in a fast-paced aerospace and defense environment.

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### About MVG

MVG – Microwave Vision Group – is the global leader in electromagnetic field measurement solutions. With 400+ employees, offices across 4 continents, and over 25 years of consecutive growth, we help the world's most innovative companies test, validate, and push the boundaries of wireless technology. Our mission: Testing Connectivity for a Wireless World.

Join us to shape the future.

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## Responsibilities

- Lead mechanical design and development of cutting-edge systems for electromagnetic wave visualization and wireless connectivity testing.
- Develop detailed mechanical designs, drawings, assemblies, and Bills of Materials using SolidWorks and AutoCAD.
- Ensure designs meet manufacturability, specification, testing, integration, performance, and reliability requirements.
- Implement hand calculations, stress and thermal analyses, and FEA to assess, validate, and optimize designs.
- Collaborate with internal staff, vendors, and customers by providing mechanical engineering support and technical guidance.
- Drive trade studies and data-driven engineering recommendations using first principles, engineering fundamentals, and partial information when needed.

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## Requirements

- Bachelor's degree in Mechanical Engineering and at least 5 years of relevant work experience.
- 5+ years of mechanical design experience, including drawings, assemblies, Bills of Materials, and design documentation.
- Proficiency with SolidWorks and AutoCAD for mechanical design and assembly review.
- Experience with design for manufacturability, specification development, testing, and system integration.
- Ability to perform hand calculations, FEA, and CAE-based stress and thermal analyses.
- Strong ability to use data and analysis to make fast, data-driven engineering decisions.
- Ability to travel approximately 25% domestically and internationally.

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## Nice to Have

- Experience building real-world hardware or a strong passion for contributing to physical products that operate in demanding environments.
- Ability to design from white space and move novel concepts from inception to commissioning.
- Experience supporting aerospace, defense, antenna measurement, RCS, anechoic, or EMC technologies.

- Strong capability to perform trade studies and make clear recommendations with incomplete information.

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### **How to Apply**

If you are interested in this opportunity, send a Word or PDF version of your resume to: [joseph.moore@mvg-world.com](mailto:joseph.moore@mvg-world.com)

*MVG - Testing Connectivity for a Wireless World*

*Special note: This role may require eligibility for access to classified or sensitive information under applicable national security laws. Possession of an active clearance is not required, and the company may conduct necessary background checks or request supporting documentation in compliance with applicable laws and regulations.*