



## 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, RCS, anechoic, and EMC measurement technologies. This role is ideal for an experienced engineer who can take concepts from white space through design, analysis, 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 technologies for electromagnetic wave visualization and wireless connectivity testing.
- Develop mechanical drawings, assemblies, specifications, and Bills of Materials for manufacturable, real-world hardware systems.
- Optimize designs using hand calculations, FEA, stress analysis, thermal analysis, and engineering trade studies.
- Ensure mechanical designs meet requirements for manufacturability, testing, integration, performance, and reliability.
- Collaborate with internal staff, vendors, and customers by providing mechanical engineering support and technical guidance.
- Drive data-informed design decisions using first principles, engineering fundamentals, and analysis, even with partial information.

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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, specification, testing, and integration.
- Proficiency with SolidWorks and AutoCAD, including designing and reviewing assemblies in SolidWorks.
- Experience using CAE tools for stress and thermal analysis, including hand calculations and FEA to assess and optimize designs.
- Strong ability to design from white space and translate novel concepts into manufacturable hardware.
- Ability to perform trade studies and make clear engineering recommendations using data, analysis, first principles, and engineering fundamentals.
- Willingness and ability to travel approximately 25% domestically and internationally.

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## Nice to Have

- Experience building hardware or a strong passion for contributing to products that operate in real-world environments.
- Background in aerospace, defense, antenna measurement, RCS, anechoic, or EMC technologies.

- Demonstrated success working in fast-paced environments moving concepts from inception to commissioning.

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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.*