



Senior Mechanical Engineer | UAN – F9C206

Department: Engineering

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

Type: Full-time

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 novel concepts from white space through design, analysis, manufacturing, testing, integration, and commissioning in a fast-paced high-tech environment.

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.

Responsibilities

- Lead mechanical design and development for cutting-edge systems used to visualize electromagnetic waves and support wireless connectivity testing.
- Develop detailed mechanical designs, drawings, assemblies, and Bills of Materials using SolidWorks and AutoCAD.
- Ensure designs meet manufacturability, specification, testing, integration, and real-world operational requirements.
- Optimize mechanical concepts through hand calculations, FEA, stress and thermal analysis, and data-driven trade studies.
- Collaborate with internal staff, vendors, and customers by providing mechanical engineering support and technical recommendations.
- Drive design reviews and clear engineering decisions using first principles, analysis, and engineering fundamentals, even with partial information.

Requirements

- BS in Mechanical Engineering and at least 5 years of relevant professional experience.
- 5+ years of mechanical design experience, including drawings, assemblies, and Bills of Materials.
- Proficiency with SolidWorks and AutoCAD for mechanical design and assembly review.
- Experience designing for manufacturability, specification compliance, testing, and system integration.
- Ability to perform hand calculations, FEA, and stress/thermal analyses using CAE software tools.
- Strong capability to use data, trade studies, first principles, and engineering fundamentals to make fast, clear recommendations.
- Willingness to travel up to 25% domestically and internationally.

Nice to Have

- Experience building hardware or contributing to products that operate in real-world environments.
- Proven ability to design from white space and move novel concepts from inception to commissioning.
- Experience supporting aerospace, defense, antenna measurement, RCS, anechoic, or

EMC technology projects.

- Strong motivation to contribute in a tight-knit, fast-paced engineering team.

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

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.