



Mechanical Engineer – Antenna Systems (Defense & Space) | UAN – A0E721

Department: Engineering

Location: Office / MVG Industries (Villejust)

Type: Full-time

About the Role

As a Mechanical Engineer – Antenna Systems at MVG, you will design and deliver advanced mechanical hardware for antenna systems used in defense and space missions. You will work at the intersection of mechanical engineering, RF performance, and harsh-environment design to develop rugged, high-precision products where reliability is critical. This role is ideal for an experienced mechanical engineer with a strong background in aerospace, defense, space, or ruggedized electronics.

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

- Develop mechanical parts and assemblies for antenna systems, including radomes, enclosures, mounts, and structural interfaces.
 - Lead mechanical designs from concept through qualification and production, ensuring mission-ready performance.
 - Define design solutions that address thermal performance, shock, vibration, lightning protection, and EMP survivability.
 - Collaborate with RF, electrical, systems, manufacturing, supplier, and test teams to preserve antenna performance and ensure producibility.
 - Implement 3D CAD models, detailed engineering drawings, specifications, and Bills of Material (BOMs).
 - Support prototype builds, integration, environmental testing, qualification campaigns, design reviews, trade studies, and root-cause investigations.
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Requirements

- Bachelor's or Master's degree in Mechanical Engineering or equivalent.
 - 5+ years of experience designing mechanical hardware for defense, space, aerospace, or ruggedized electronics.
 - Strong proficiency with 3D CAD tools such as SolidWorks, Creo, CATIA, or equivalent.
 - Solid understanding of materials, GD&T, mechanical design fundamentals, and detailed engineering drawings/specifications.
 - Experience designing hardware subject to thermal, shock, and vibration constraints.
 - Ability to support hands-on integration and testing activities when needed and communicate clearly across disciplines.
 - French nationality and eligibility to obtain French security clearance, due to French defense/export control regulations and "Diffusion restreinte – Spécial France" program requirements.
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Nice to Have

- Experience with antenna systems, RF hardware, radome design, or RF-transparent materials.
- Knowledge of lightning protection, grounding and bonding, EMP hardening, and

dielectric or metallic materials used in RF environments.

- Familiarity with military and space standards such as MIL-STD-810, MIL-STD-461, MIL-STD-464, and ECSS.
- Exposure to FEA tools and PDM/PLM-driven configuration management, including part numbering, revision control, and ECR/ECO change management.

How to Apply

Send your CV and a short cover note to careers@mvg-world.com with the subject line: A0E721 - Mechanical Engineer – Antenna Systems (Defense & Space). We review applications on a rolling basis and aim to respond within two weeks. We look forward to hearing from you!

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.