



Antennas, Photonics, & RF Communications

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## **Mechanical Engineer Position Description**

Pharad is a leading developer of advanced wireless technologies, including specialty antennas, RF-photonic transceivers, and wireless communications products. We seek a talented, energetic, creative and detail oriented Mechanical Engineer to join our highly skilled engineering development team to support the development and implementation of unique antenna and communication products.

### Responsibilities:

- Participate as a member of the engineering team that designs, develops, prototypes, and tests our advanced antenna and wireless communications products.
- Design and develop enclosures for antennas and electronic circuits from concept to detailed drawings and specifications.
- Model designs using SolidWorks and other CAD/CAM tools.
- Manage the transitioning of products from R&D to production.
- Develop manufacturing drawings and bills of materials for manufacturing and third party vendors.
- Interface with part suppliers and vendors, coordinating the specification, purchase and delivery of fabricated components.
- Perform structural, vibration, and shock analyses for assemblies mounted on aircraft, ground vehicles, and people.
- Perform thermal analyses and design thermal management solutions for electronic designs.
- Perform environmental and mechanical testing on engineering prototypes.
- Use industry standard design practices compliant with ISO9000 standards.

### Position Requirements:

- Bachelors Degree in Mechanical Engineering
- Proficient in the use of Solid Works/Pro-Engineer
- Knowledge and familiarity with the fabrication methods of sheet metal and machined parts
- Knowledge of plastic injection molding, tooling, part and assembly design and manufacturing processes
- Must have a positive attitude, be a team player, and relish engineering responsibility.
- Detail oriented, able to manage multiple projects and designs simultaneously.
- Strong communications skills working in a multidisciplinary team environment.
- Strong written skills, able to articulate mechanical performance in written narrative.
- US Citizen or permanent resident.