

PHARAD

Wireless Sensors, Communications, Antennas

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POSITION DESCRIPTION

Mechanical Engineer

Pharad, LLC develops state-of-the-art wireless sensors, communications, and antenna products. We are seeking an experienced Mechanical Engineer to join our highly skilled engineering development team to support the development and implementation of unique antenna and electronic products.

Responsibilities:

- Participate as a member of the engineering team that designs, develops, prototypes, and tests our advanced wireless sensors, communications and antenna products.
- Design and develop enclosures for antennas and electronics from concept to detailed drawings and specifications.
- Model designs using Pro-Engineer and other CAD/CAM tools
- 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 analysis for assemblies mounted on aircraft, ground vehicles, and people.
- Perform thermal analysis and design thermal management solutions for electronic designs
- Perform environmental and mechanical testing on engineering prototypes.
- Manage the company's configuration management process.
- Use industry standard design practices compliant with ISO9000 standards.

Position Requirements:

- Bachelors in Mechanical Engineering, advanced degree a plus
- 5+ years of previous 3-D mechanical design experience designing complex electronic packaging for both commercial and/or military applications.
- Proficient in the use of Pro-Engineer
- Experience using simulation software a plus
- Demonstrated ability to design cost efficient, mechanically robust fabricated components.
- Experience 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
- Experience in developing machine shop ready drawing packages for third party fabricators.
- Experience and familiarity with ECAD processes and electronics manufacturing.
- Detail oriented, able to manage multiple projects and designs simultaneously.
- Strong written skills, able to articulate mechanical performance in written narrative.
- Ability to present at customer meetings.