

Engineer/Senior Engineer, Electromagnetics Group

Antennas For Communications (AFC) is seeking applications for one full-time Engineer/Senior Engineer position in Electromagnetics Group at their facility in Ocala, Florida.

Requirements:

Applicant shall have a Graduate Degree in the field of **RF/Microwave/Antenna Engineering**. Ph.D in this field is desirable but not required. He/she should be a **United States Citizen/USA Permanent** and should be willing to live in Ocala, Florida.

Job Description:

The ideal candidate for this position should have design and practical experience in the area of:

- Microwave components, antenna products, and radomes
- In-depth understanding of microwave network analysis and antenna theory
- Microwave antenna/component testing, waveguides, and experience in using microwave network analyzers and other microwave measurement instruments
- Antenna and radome Design
- In-depth understanding of dielectric material properties and dielectric constant testing. Familiarity with composite materials is desirable.
- Good understanding of wave propagation and attenuation effects
- Familiarity with anechoic chambers
- Strong analytical and problem-solving skills
- Knowledge of scattering theory and S-parameter measurements. Understanding of space frame/sandwich radomes is preferred.
- Highly conversant with using Matlab/Mathematica as well as ability to understand and develop programming code.
- Familiarity with 3D EM analysis tools. Experience with EMPro is highly desirable.
- Technical support of manufacturing/QC/CAD department and continuous product improvement.
- Ability to communicate with the mechanical engineering
- Have social skills to be able to work in a Small Business environment
- Be able to clear background check with no prior convictions or arrests
- Past experience with any DoD projects is desirable

Job Responsibilities:

This person will work closely with the President of the company and existing the Electromagnetics Group. He/she will work closely with other engineers and each department manager to design and validate products to meet customer's required safety, performance, and

reliability standards. He/she should be self-motivated, computer literate, and be able to use 2D/3D EM analysis tools as well as be able to create their own computer programs. She/he must be a skilled writer and must be able to use computer word processing tools.

The applicant will help with performing RF measurements and prepare technical reports and Tech. Memos to support on-going and prospective customer projects. He/she will work with the engineering and marketing departments and participate in preparing technical proposals and in other assignments throughout the company. AFC believes in strong in-house design and development activities that support continuous product improvement and new technologies. The candidate is expected to have an active participation in such activities. The applicant will also participate in design review meetings and factory acceptance testing when necessary to present their related work.

The Company:

AFC is a Small Business Corporation with design and manufacturing facilities located in Ocala, Florida. The company has been supplying radomes and antenna products for over 30 years. Ocala is a great place to raise a family. As a small business company, AFC depends on the expertise and success of its employees.

The company maintains a 401k and Profit-Sharing Retirement plan as well as a health Insurance plan for the employee and family. Bonuses are often paid to employees during the holiday season.

Contact:

The applicant may submit the resume with a cover letter by email to hr@afcsat.com. The submission shall include at least three qualified references who currently have or had direct technical interaction in the past with the applicant about related work. Qualified candidates will be short-listed for an initial phone interview.