

AVX Aircraft Company

Job Description



Job title: UAS Airframe Design Engineer

Work Location: 6310 Southwest Blvd, Benbrook, TX 76109

Division/Department: Engineering

Reports to: UAS Chief Engineer

AVX background: AVX has built a powerful brand and we are developing a market leading vertical takeoff and landing (VTOL) unmanned aircraft system (UAS). We are adding to our world-class team to develop this new UAS product.

Full Time Employment

Monday – Friday (hybrid office/home work schedule)

Exempt Employee

Essential Duties and Responsibilities:

AVX Aircraft seeks an Unmanned Aircraft Systems (UAS) airframe engineer with experience in preliminary and detailed structural design, with a working knowledge of structural analysis. Our ongoing program is focused on the design, fabrication, and test of an advanced composite low-weight unmanned aircraft. The successful candidate will perform tasks in all phases of airframe design, analysis and test including:

- UAS Airframe Design (Including fuselage, wing, primary flight control surfaces and secondary structure such as landing gear / landing struts)
- Load-Path Determination
- Basic Structural Analysis
- Design for Manufacturing
- Supplier Management
- Knowledge of other UAS systems such as rotors and transmission design desired

Education and/or Work Experience Requirements:

BS/MS in Mechanical/Aeronautical Engineering, or related technical discipline, from an accredited institution. Minimum of 5 years of experience, and a working knowledge in:

- SolidWorks and/or CATIA design experience is required (5000+ hours)
- 3-D Solid modelling experience
- Surfacing experience
- Fundamental knowledge of Metallic and Composite Stress analysis
- Familiarity with military structural qualification standards
- Ability to work independently with minimal supervision
- Ability to meet aggressive program schedules with positive attitude, working well with other team members

Physical Requirements:

- Ability to safely and successfully perform the essential job functions consistent with ADA, FMLA, and other federal, state, and local standards, including meeting qualitative and/or quantitative productivity standards.
- Ability to maintain regular attendance consistent with the ADA, FMLA and other federal, state, and local standards
- Strong communication skills both in person, on the phone, and in virtual settings