AVX Aircraft Company
Job Description

Job title: UAS Propulsion Engineer

Work Location: 6310 Southwest Blvd, Benbrook, TX 76109

Division/Department: Engineering

Reports to: Chief Engineer

Attendance Requirements: Monday - Friday (hybrid office/home work schedule)

× Full-time	**x Exempt**
☐ Part-time	**☐ Nonexempt**

Essential Duties and Responsibilities:

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.

The UAS Propulsion Engineer is responsible for the integration of the UAS propulsion system to include specification, analysis, design integration and test. This responsibility will include working closely with other subsystems engineers such as rotors, drive system, flight controls, airframe, structures, hardware/software engineers, avionics engineers, suppliers, and test engineers.

- Develop propulsion system specifications, including definition of engine, engine control unit, starter / generator, cooling system, fuel system and interfaces.
- Support air vehicle analysis with propulsion system performance data including system weight roll-ups, system efficiency and fuel consumption.
- Support Supply Chain in the procurement of the engine and other propulsion system components.
- Lead the propulsion integration design effort and propulsion system architecture.
- Support development of rotor and drive systems.
- Test System: Support the development of a Rotor-Drive-Engine test system.
- Perform related duties as assigned by the Chief Engineer.
- Maintain compliance with company policies and procedures.

Must be able to work on U.S. military programs.

Education and/or Work Experience Requirements:

- BS degree or equivalent work experience in Propulsion Systems, Electrical Engineering, Aerospace Engineering, or related field (Master's degree preferred)
- Experience in the areas of propulsion integration, familiarity with rotor and drive systems is desired.
- Knowledge of military propulsion systems and requirements and/or heavy fuel engines desired.
- Experience developing and/or testing UAS systems desired.
- Excellent verbal and written communication skills, including ability to effectively communicate with internal and external customers.
- Proficiency in standard office applications (MS Word, Excel, PowerPoint).
- Ability to work with minimal supervision.
- Familiarity with military qualifications standards.
- Strong communication skills both in-person, on the phone and in virtual settings.

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