

Electrical Design Engineer – Aerospace (5+ years experience – NOT a remote position)

Apogee Worx, LLC, is hiring an Electrical Design Engineer. The ideal individual will have an Electrical or Computer Engineering degree with 5 years or more experience. The individual will be able to direct a project from requirements definition; through design, prototyping, and test; and into production. Candidates should be prepared for rapid growth into more senior levels of responsibility within the company.

Apogee Worx, LLC is a growing DoD aerospace business located in Ogden, UT delivering leading edge solutions to the military and para-military aviation markets. We are looking for individuals who will thrive in a challenging, project-based environment with a charter of providing state of the art capabilities to legacy aircraft.

Responsibilities include:

- Working with end customers to identify and document system design requirements
- Designing system architectures to meet customer capability and cost objectives
- Laying out detailed avionics designs, including wire harnesses, into production level drawings
- Performing Electrical Load Analysis (ELA)
- Performing RF Link Budget Analysis
- Understanding communication data buses such as Ethernet, Mil-Std-1553, ARINC 429, etc.
- Developing and testing embedded software
- Managing a technical baseline throughout the system life cycle
- Working with production to ensure producible designs
- Mentoring and leading teams that include junior engineers and interns
- Conducting trade studies, analyses, and test programs as necessary to validate system architectures meet requirements
- Generating electrical schematics/wiring diagrams
- Support wire harness design, and wire harness installation drawings
- System-level authority for electrical integration of mechanical systems
- Ensure electrical wiring interconnect system (EWIS) design integrates seamlessly
- Support program reviews to ensure that all aspects of the product and program lifecycle have been met
- Assist in the development and documentation of an avionics systems integration test bench
- Assist with prototype construction, validation testing, ground and flight tests

Basic Qualifications

- Bachelor's degree in Electrical, Electronics, Computer, Systems, Aerospace or other related Engineering field
- Minimum of 5+ years of aircraft electrical design and/or liaison experience
- Experience with designing systems requiring environmental qualification (eg RTCA DO-160)
- Understanding of wiring/cabling/connector materials, and familiarity with SAE AS-50881
- Must be a US Citizen. Must have the ability to obtain a Secret clearance. A current Secret clearance is a plus

Desired skills

- Familiarity with Systems Engineering processes to include requirements development and verification, systems architecture, and conceptual design theories

- **Electrical harness design**
- **Experience selecting RF components to include antennas, switches and diplexers**
- **Experience in software development**
- **3D Design experience in NX, Team Center, and/or Solid Works is a plus**
- **Good Communication Skills**
- **Familiarity with aircraft avionics to include displays, processors, sensors, radars, electronic warfare and their associated data bus architectures.**
- **Familiarity with DoD Communication systems to include COMSEC devices**

Your Benefits

Apogee Worx offers competitive salary and an extensive benefit package including:

- **401(k) with 3% company contribution**
- **Health insurance**
- **Health savings account**
- **Dental insurance**
- **Vision insurance**
- **Life insurance**
- **Accidental insurance**
- **Paid time off**
- **Semi-flexible work hours**