



PRECISION AIRCRAFT SOLUTIONS

WHERE CHANGE TAKES FLIGHT

Electrical/Avionics Systems Engineer

Precision Aircraft Solutions, LLC is internationally known for creating the premier Passenger to Cargo aircraft conversion. We are seeking an Electrical Systems Engineer to join our Beaverton, OR Engineering team.

Duties and Responsibilities:

- Develop systems drawings that will be used to manufacture, assemble, and install complex aircraft component or systems.
- Analyze customer and project requirements and determine feasibility of design.
- Design and plan system integration of existing or new equipment/components.
- Analyze and check systems engineering data produced by the engineering group to ensure that it meets the necessary/minimum requirements for FAA certification.
- Guide engineers and technicians/mechanics in the integration or repair of aircraft systems or components.
- Prepare FAA certification documentation and reports in support of various company certification projects. This may include, but are not limited to, certification plans, compliance checklists, supplements to aircraft manuals (Flight Manuals, Weight and Balance Manuals, Instructions for Continued Airworthiness, etc.), test plans, test reports, substantiation reports, etc.
- Serve as a technical resource for engineers, customers, and technical personnel regarding complex aircraft system issues.
- Provide technical expertise for trouble shooting, root cause analysis, and corrective action for aircraft systems failures which may include but are not limited to: pneumatics, hydraulics, water/waste, smoke detection, environmental control, cooling, oxygen, APU, and power plant.
- Create and develop systems substantiation reports that will be used to certify modification or repair data.
- Perform technical risk assessment of aircraft design and develop risk mitigation plans.
- Provide technical guidance in the minimum regulatory and testing requirements for DO-160 environmental testing.
- Support on site requirements for aircraft modifications. Support on site troubleshooting and resolution of Aircraft on Ground (AOG) malfunctions.
- Coordinate with FAA Designated Engineering Representatives (DERs) and propose practical solutions on the development of technical data which will show compliance.

Required Skills and Experience:

- B.S. degree in Electrical, Mechanical, Civil, Aerospace, or Aeronautical Engineering.
- Minimum three years of engineering experience with Airbus and/or Boeing products.
- Proficiency in AutoCad, Acrobat, and Microsoft Office. SolidWorks and CATIA a plus.
- Must work well with a team.
- Ability and willingness to travel, both foreign and domestic.
- Ability to communicate effectually with FAA, DERs, customers and co-workers.

To apply

Please email your resume and a cover letter to Carol Forsberg, Talent Acquisition Specialist, Precision Aircraft Solutions: carol.forsberg@precisionaircraft.com.