

Senior Design Engineer

Description:

As part of the next stage of our growth, we are now seeking a Senior Design Engineer to join our team. The successful candidate must be flexible in addressing the company's approach to existing and new structural, mechanical, and systems design in support of new Part 23 certification requirements. This role requires a broad degree of small, whole-aircraft design and capabilities with some advanced modeling and surfacing skills in SolidWorks beyond simple component level. The starting wage for this position is based upon experience, plus health benefits.

Main Responsibilities:

Works with Structures, Systems, Performance, Handling Qualities, and Stress engineers to develop airframe structural and system configuration layouts.

Tasks and Duties:

- Models initial concepts of new or modified aero-structures using SolidWorks.
- Generates and matures design concepts to the specified level of definition, which may be limited to lofted surface definition and Interface Control Models (ICM), or extend to the development of individual component models, assemblies and installation models, and release of production drawings.
- Works with stress analysis group to incorporate structural sizing requirements.
- Manages product definition within a basic PDM environment for managing ECRs, workflow and administrative tasks.
- Supports the generation and review of reports and presentation materials for internal and external Design Reviews (PDR & CDR) and other meetings.

Minimum Skills, Traits and Experience:

- 5+ years applied experience with industry-standard hardware, materials, manufacturing and tooling techniques.
- Understanding of aerospace engineering principles and concepts related to aircraft structures and systems.
- Cognizant of design for weight, producibility, durability and specific needs.
- Knowledgeable in the application of Geometric Dimensioning and Tolerancing (GD&T) per ASME Y14.5-2009 drafting standards.
- A SolidWorks skill test will be part of the interview process.

Education:

- BS Engineering in Mechanical, Aerospace.

Please email your resume to jobs@glasairaviation.com with the job you are applying for in the subject line.
