



Senior Structural Engineer
Location: Canada

AT DIAMOND AIRCRAFT, WE COMBINE ATTENTION TO DETAIL WITH CUTTING-EDGE TECHNOLOGY AND PIONEERING INNOVATION. OUR DEDICATION TO THE QUALITY OF OUR ENGINEERING AND WORKMANSHIP MAKES OUR AIRCRAFT THE SAFEST IN THEIR CLASS.

Responsibilities:

- › Develop conceptual layouts for composite aircraft structures based on a set of design requirements and verify compliance with these requirements
- › Perform technical trade studies to assess feasibility of conceptual designs
- › Work within a multidisciplinary team to develop conceptual layouts and detail designs considering manufacturing, tooling, cost and schedule aspects
- › Manage interfaces with other design disciplines (e.g. systems, avionics and interiors)
- › Provide guidance to junior engineers and monitor adherence to design requirements and guidelines during development of detail design
- › Support continued development of company design guidelines

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Skills & Experience:

- › Bachelor's Degree in an appropriate engineering or technical field, or equivalent experience required
- › 5 to 10 years engineering experience in aircraft structures preferably in small aircraft and/or business jets
- › Understanding of composite airframe materials and fabrication techniques. Design for manufacturing, assembly and maintainability, design to cost, design to weight, and/or lean design experience desired
- › Experience with CATIA V5 (CATIA Composite Workbench or equivalent is a plus)
- › Experience with standardized 3D CAD packages with a demonstrated ability to successfully learn another 3D CAD package will be considered
- › Experience with GD&T and 2D drafting techniques
- › Experience with qualifying products in an aviation regulatory environment: certification under CAR AWM 523 and/or FAA 14 CFR Part 23 preferred. EASA and foreign certification experience a plus
- › Capable of leading interdisciplinary groups in an integrated product team environment
- › Good interpersonal skills and ability to work in a team
- › Creative attitude focused on solving problems
- › Experience with composite manufacturing and prototyping is a benefit
- › Ability to write test plans and reports and coordinate testing to demonstrate compliance to structural requirements. DER or other delegated authority experience a plus
- › MRB and or liaison experience a plus

Why Work For Us:

- › Comprehensive Benefit Plan
- › Shift Premiums
- › Employee and Family Assistance Program (EFAP)
- › Tuition Reimbursements
- › Employee Referral Program
- › Registered Retirement Savings Plan (RRSP) Program
- › Company Sponsored Social Events

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