



## Structures Engineer (Senior)

Location: London, Ontario, CAN

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:

- ◆ Support the structures specialists in all matters
- ◆ Perform load calculations, stress analysis, and sizing of aircraft structures per industry-standard methods (Bruhn, Niu, etc.)
- ◆ Provide ongoing technical support for production, sales and after-Sales departments
- ◆ Support Continuing Airworthiness activities including service bulletins and service difficulty investigations
- ◆ Propose solutions for engineering change requests and participate in the classification of type design changes
- ◆ Prepare and participate in the review of certification plans, test plans, substantiating reports, test reports, compliance reports, and any other technical documentation required for demonstration of compliance with the AWM
- ◆ Lead projects from the concept phase to implementation in production
- ◆ Participate in research and development activities as necessary
- ◆ Provide mentorship and coaching to junior and intermediate engineers

### Skills & Experience:

- ◆ 10 years Engineering experience (min 7 years relevant Aerospace Engineering)
- ◆ Experience with composite materials, repairs, and manufacturing processes
- ◆ Thorough understanding of aircraft structures, load development, load paths and stability
- ◆ Experience writing technical reports. Strong communication skills, Able to read, write English
- ◆ Excellent time management and problem solving skills
- ◆ Able to work independently and in a team environment
- ◆ Knowledge of Part 23 certification regulations
- ◆ Experience with CAD tools
- ◆ The following is considered an asset:
  - ◆ Previous or current delegation experience with a civil aviation authority
  - ◆ Experience in FEA, damage tolerance, and/or programming
  - ◆ Previous MRB authority
  - ◆ Pilot license

### Educational or Academic Requirements:

- ◆ Bachelor and/or Master's degree: Aerospace, Mechanical, Materials Engineering (or equiv. experience)

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