

**MECHANICAL SYSTEMS
ENGINEER –
INTERMEDIATE**

Location: Canada

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

The Mechanical Systems Engineer is responsible for providing technical support for aircraft development and certification programs as well as production support when required. These activities may include: the development of designs, drawings, certification plans, test plans & reports, design reviews, analysis, and compliance reports related to aircraft systems such as flight control systems, landing gear, anti-icing systems and occupant safety.

Responsibilities:

- › Support the mechanical systems engineering specialist (Senior Engineer) in all matters, and mentor junior mechanical systems engineers as required
- › Recommend changes to the aircraft design and/or manufacturing processes to improve safety, quality, performance, and the overall customer experience
- › Submit and/or review design change requests and assist in the classification of proposed type design changes utilizing the design change evaluation process
- › Develop certification plans for design changes to Diamond's Canadian type design aircraft
- › Generate test plans, as necessary in order to demonstrate compliance related to proposed type design changes
- › Coordinate and perform testing (ground and flight), analysis, and/or generate design reviews to substantiate compliance to the relevant aviation regulations (Part 23)
- › Generate all necessary test and compliance reports to demonstrate that compliance to the relevant aviation regulations (Part 23) has been shown
- › Seek certification of type design changes through coordination with TCCA, Delegates, or Diamond AP's as necessary and assist in validations with foreign authorities
- › Develop standards and specifications for relevant engineering activities
- › Participate in research and development activities as necessary
- › Support Airworthiness activities such as service bulletins and investigations
- › Perform other related duties including ongoing production support through the disposition of non-conformances and support of other engineering groups as assigned

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Diamond Aircraft Industries Inc., 1560 Crumlin Sideroad, London, Ontario, Canada | N5V 1S2
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Skills & Experience:

- › Bachelor's or Master's degree in Aerospace or Mechanical Engineering
- › 8 years Engineering experience (min 5 years relevant Aerospace Engineering)
- › Experience with composite materials and manufacturing processes
- › Knowledge of Part 23 certification regulations
- › Experience with CATIA V5, AutoCAD / DraftSight, and Solid Edge
- › Proficiency in MS Office products and collaboration tools
- › Previous or current delegation experience with a civil aviation authority is an asset
- › Previous MRB authority is considered an asset
- › Professional Engineering License is also an asset
- › Excellent time management skills
- › Capable of independent decision making
- › Works well within a team environment
- › Able to prioritize tasks based on company needs

Why Work For Us:

- › Comprehensive Benefits Plan
- › Employee and Family Assistance Program (EFAP)
- › Education Assistance Program
- › Employee Referral Program
- › Registered Retirement Savings Plan (RRSP) Program
- › Company Sponsored Social Events

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