

We are currently looking for a **Stress Analysis Engineer** to join our team!

PRIMARY RESPONSIBILITIES

- Stress analysis of newly developed components, options, repairs for helicopters.
- Guidance to designers on structural aspects of new modifications and installations.
- Evaluation of designs for fatigue aspects.
- Checking and signing drawings from strength and fatigue perspective.
- Preparation of stress analysis reports.
- Making statements of compliance with airworthiness standards, as a Transport Canada delegate for Structures.
- Establishment of structural test requirements; test witnessing and analysing test results; reporting results in structural substantiation reports.
- Conceptual and detail design of new helicopter components and options.
- Preparation of detail / assembly / installation drawings for manufacturing.
- Checking drawings prepared by other designers.

SECONDARY RESPONSIBILITIES

CATIA Administration:

- Setting up user profiles with permissions and licence privileges.
- Troubleshooting CATIA application; interface with MIS and CATIA support subcontractors as required.
- Maintenance of detail libraries.
- Management of CATIA model database.
- Coordinating training activities.
- Coordinating upgrades and associated data migration

MINIMUM QUALIFICATIONS

- Bachelor's degree in Aeronautical or Aerospace Engineering; specializing in Structures (Master's preferred).
- Professional Engineer's Licence.
- Transport Canada delegation for Structures.
- 8 years experience in stress analysis of aircraft structures and structural modifications including repairs (preferably helicopters).
- 2 years experience in mechanical/structural design.
- Advanced skills in finite element analysis using NASTRAN and conventional methods.
- Working knowledge of MS Word, Access, Excel, Outlook
- Basic knowledge of UNIX
- Good CATIA skills (2D and 3D design, administrator functions)