

Job Title: **STRESS ANALYSIS ENGINEER**

(A) SUMMARY:

1. The stress analysis engineer shall perform assessments of aircraft modification designs to ensure structural adequacy.
2. The stress analysis engineer will be trained by the Stress Lead Engineer and/or other senior stress analysis engineers, experience engineers to perform the tasks listed below.

(B) KEY RESPONSIBILITIES:

1. Provide engineering support for aircraft structural repairs, upgrades and conversions.
2. Perform structural static / dynamic analyses using either classical methods and/or Finite Element to assess structural integrity.
3. Interact closely with engineers from other disciplines to achieve an optimised and cost-effective design solutions within the stipulated project schedule.
4. Plan structural test(s) and be on-site during project testing phases to advise test team and test director on the relevant structural aspects for the test article when necessary.
5. Deliver presentations to both internal and external customers regarding relevant structural aspects and test results of the project to conclude structural integrity of the designs/modifications performed.
6. Contribute to the improvement and development of structural capabilities and skills within the organization.

(C) WORKING ENVIRONMENT:

Supervision:

Stress analysis engineer, who is relatively new or inexperienced, performs tasks assigned with guidance from his/her senior peers. With progression to a higher level of technical proficiency, more autonomy in work will be granted to allow him/her to work more independently.

Interpersonal Relations:

A strong level of interpersonal skill is required to maintain an effective relationship among employees, subcontractors, various departments, OEMs, aviation authorities or regulators and customer representatives.

Physical Environment:

1. Key responsibilities are performed in a climate-controlled office majority of the time but with visits and testing conducted in the factory, hangar or open air.
2. Ability to cope with the highly challenging project demands such as schedules, inter team and personal differences in opinions.

(D) JOB QUALIFICATIONS:

Education: B.S. Degree in mechanical/ material engineering or aerospace/ aeronautical engineering.

Experience: Fresh graduates are welcomed to apply.

Interested candidates, please send CV to:

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or

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