

Positions	JD	Location	HC	Location	Email
Stress Analysis Engineer	<p>Key Job Accountabilities:</p> <ol style="list-style-type: none"> 1 Be an important member of an engineering project team responsible for the structural integrity substantiation/certification for the project 2 Perform structural static / dynamic analyses using either Finite Element or classical methods to assess structural integrity 3 Interact closely with engineers from other disciplines to achieve an optimised design within the stipulated project schedule 4 Plan structural test(s) and be on-site during project testing phases to advise the test team and test director on the relevant structural aspects for the test article when necessary 5 Deliver presentations to the customers regarding relevant structural aspects and test results of the project to conclude structural integrity of the designs/modifications performed 6 Required also to be a member of the Structural Mechanics Group responsible for the development and improvement of structural capabilities and skills within the organization. <p>Required Experience and Qualifications:</p> <p>Good Masters / Bachelor's Degree in Mechanical / Aerospace Engineering</p> <ol style="list-style-type: none"> 7 Strong analytical skills with sound knowledge of structural mechanics or equivalent 8 Possess strong foundation in the area of load / stress analysis with abilities to formulate "free body diagrams" and identify load path of structures 9 Experience with the use of both Finite Element and classical methods to perform structural load / stress analysis for primary airframe structures is preferred 10 Practical experience in supporting airframe modification projects through prototyping phase and serial production will be added advantage 11 Ability to use CATIA V5 or similar CAD tool to view drawings and familiar with Airbus Drawing System will be an added advantage. 12 Experience on composite structural / dynamic analysis will be an added advantage 13 Good written and oral communication skills in English 14 Conversant in MS Office using Excel and VBA will be added advantage 15 Must be a self-motivated team player who is able to work independently 	Airport Road	3	Working hours: Mon - Fri, 8am to 5.30pm	virginia.lai@stengg.com