



Example of Stress Engineer Job Description

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Our company is looking to fill the role of stress engineer. Please review the list of responsibilities and qualifications. While this is our ideal list, we will consider candidates that do not necessarily have all of the qualifications, but have sufficient experience and talent.

Responsibilities for stress engineer

- Preparation of detailed stress notes
- Static Unit Analysis verified by test
- Preparation of schemes and provision of technical support for test programs
- To provide 'support to production' services including investigation to queries raised through Design Query Notes and Non-Conformity Reports, production permits and concessions and any other matter where production time scales are potentially adversely affected
- Preparation of schemes and provision of technical support for test programmes
- The appointed Lead Stress Engineer will ensure that company design is certified to EASA or FAA regulations and satisfies the contract specification
- Structural load and strength substantiation analysis ("Stress Analysis") of electro-mechanical systems of moderate to high complexity using finite element analysis methods
- Support the selection of materials, mechanical performance analyses support of associated testing activities
- Creation of related system-level documentation in support of aircraft certification activities
- Fatigue and endurance analysis of mechanical systems

Qualifications for stress engineer

- Experience with Smart Plant software
- Make use of Fluor University courses for continued learning experiences
- Ten (10) years of experience in engineering, procurement, and construction/construction management (EPC/EPCM) industry including the performance of functional tasks on projects with a basic understanding of procedures and interfaces
- Bachelor's degree in Engineering from four-year college or university