



Example of Methods Engineer Job Description

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Our company is looking to fill the role of methods engineer. We appreciate you taking the time to review the list of qualifications and to apply for the position. If you don't fill all of the qualifications, you may still be considered depending on your level of experience.

Responsibilities for methods engineer

- Work collaboratively with Global Research, Aviation and Power teams to create synergy for our digital programs
- Collaborate closely with Systems and Services to align our development efforts with digital strategies and exploit new technology
- Execute post-design life analysis programs for Gas Turbine components in order to establish the physics-based foundation for reduced order component life models
- Identify opportunities to design, propose, and execute specific methods development programs to improve and validate our predictive capabilities
- Review work with Controlled Title Engineers and Chief Engineers as appropriate
- Author or co-author updates to design practices as required
- Drive continuous improvement and simplification projects that eliminate waste and increase speed
- Communicate progress to senior leadership, customers and stakeholders
- Develop and maintain user-friendly engine and/or module maintenance work instruction master data in Solumina (or similar software) based on approved technical data and utilizing industry best practices, mistake proofing, lessons learned and feedback from the production floor
- Provide timely, accurately defined work scope definitions for engine and/or module repair that are comprehensive, clear, concise, cost effective, and support the delivery of a quality product that meets customer-defined

Qualifications for methods engineer

- Minimum 5 years of experience in manufacturing or process engineering
- Strong Expertise in the areas of structural analysis of metallic and composite structures
- MUST have experience with gas turbine and steam turbine component design
- Process or manufacturing engineering experience, or hands-on assembly/disassembly experience on gas-turbine engines
- Must be able to obtain and maintain required security clearance
- Physical testing experience in experimental modal analysis, fatigue, crash