

TITLE:	Mechanical Engineer 1		
FULL PART-TIME:	Full Time		
PERMANENT/TEMP:	Permanent	CITY:	Atmore
COUNTY:	Escambia	STATE:	AL
COUNTRY:	US	EXEMPT:	Yes

KEY EMPLOYEE STATUS

The Mechanical Engineer 1 is not designated as a Key Employee.

REPORTING RELATIONSHIP

The Mechanical Engineer 1 reports to the Senior Engineer.

DUTIES AND RESPONSIBILITIES

- Researches, develops, designs, tests, and evaluates Aircraft structural components and hardware, as well as airframe interfaces, and principles and techniques of mechanical engineering related to USAF aircraft modifications
- Performs analyses such as stress and structural load analyses for aircraft modification purposes
- Assists other engineers developing Acceptance Test Plans, aircraft system test plans, installation instructions and techniques, and other plans as well as corresponding reports generated after testing is completed
- Supports on-site installation of modified systems and structures during prototyping phases
- Supports design review meetings and helps senior engineers prepare and respond to inputs and customer-driven changes due to such meetings
- Develops engineering source data including instructions, diagrams, and drawings for technical publications such as maintenance, installation, and operation technical manuals
- Determines system and subsystem interaction with related aircraft structures
- Researches and provides inputs for methods, procedures, and conditions for testing installed systems and subsystems components
- May support installation, test, and operation of equipment and systems in field installations
- Will use computer-assisted engineering and design software and equipment to perform engineering tasks

QUALIFICATIONS

- Bachelor's Degree (BSME) Required with at least 1 Year experience
- Experience with specialized software training in:
 - SolidWorks, AutoCAD, CATIA Design software
 - Stress/Finite element analysis tools Aircraft modification background is a plus

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Phone (251) 368—0819

- Familiar with MS Office Suite
- Effective written and oral communication skills
- Aircraft modification background is a plus

TRAVEL:

Must be able to travel (10%)

REMOTE:

This position is located at the PCI Aviation Corporate Office and is not a remote or work-from-home position; however, travel may be required.

SECURITY REQUIREMENTS:

Must be able to obtain and maintain a security clearance at the contract required level. US Citizenship is required for clearance.

Equal Opportunity Notices

- PCIA is an Equal Opportunity/Affirmative Action Employer. Except as allowed by law, PCIA evaluates qualified applicants without regard to race, age, color, religion, sex, pregnancy, sexual orientation, gender identity, national origin, physical or mental disability, genetic factors, veteran status, and other protected characteristics EOE/AA/M/F/D/V.
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