

Sr. Principal Mechanical Engr.

Work center is responsible for the design/documentation, parts selection/standardization and environmental test of quality equipment, which meet or exceed the requirements of both military and commercial customers.

Mechanical Design Engineer with extensive experience in mechanical design including proposal generation, preliminary and detailed design, documentation, and support to fabrication, assembly and test of high reliability mechanical and electronic systems for various Military, Government and Commercial applications. Working as part of an integrated product team, the position requires general technical knowledge in the mechanical engineering field. Proficiency with Creo CAD modeling tools and geometric dimensioning and tolerancing methods is strongly desired. Design opportunities include CCA and electronic packaging as well as the packaging of custom and Commercial Off the Shelf (COTS) electronics within enclosures. Experience with the integration of COTS electronics into military enclosures is strongly desired.

Required Skills:

- Minimum of 10 years' experience in mechanical design, documentation and fabrication of military electronic systems
- Understanding of manufacturing methods and processes such as assembly standards, fabrication processes, assembly documentation, and mechanical fasteners
- Experience with program cost and schedule monitoring and reporting
- Task Leadership experience
- Ability to read detailed engineering drawings, specifications and an understanding of Geometric, Dimensional & Tolerance
- Experience with 3-D modeling software
- Experience with configuration management systems
- Experience with mechanical design and CAD tools
- Must have a working knowledge of Microsoft Office products (Word, Excel, PowerPoint)
- U.S. Citizenship is required as this position will require a DoD security clearance within your 1st year
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Desired Skills:

- Experience with Creo CAD tool
- Experience with COTs hardware selection and integration
- Experience managing programs using EVMS (Earned Value Management System).
- Experience with stress, structural and thermal analysis

Required Education

Bachelors of Science (BS) in Mechanical Engineering or equivalent.

Desired Education

Masters of Science (MS) in Mechanical Engineering or equivalent.

U.S. Citizenship status is required, as this position will require the ability to obtain a U.S. Security Clearance. Eligibility to obtain any required Export Authorization is required.