



## Example of Principal Mechanical Engr Job Description

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Our company is searching for experienced candidates for the position of principal mechanical engr. To join our growing team, please review the list of responsibilities and qualifications.

### Responsibilities for principal mechanical engr

- Will oversee build and fabrication of MGSE
- Will oversee all test activities
- Perform complex mechanical design, development, and documentation of components, sub-assemblies, and major end items for defense system equipment in accordance with system requirements
- Oversee mid to large sized cross functional engineering teams as a technical execution lead through all phases of development from proposal generation, program start up, requirements allocation, preliminary and detailed development, through production
- Support the factory and suppliers with product integration domestically and internationally
- Interface with other engineering disciplines, non-technical disciplines, and suppliers to develop design solutions and resolve technical challenges
- Work with limited supervision and meet commitments for assigned schedule, financial, and technical goals
- Manage and meet commitments for assigned schedule, financial, and technical goals
- Support and participate in design peer reviews and conduct trade studies to make sound technical decisions
- Apply knowledge and experience in technical problem solving and hardware development in a fast paced, team environment

### Qualifications for principal mechanical engr

- A minimum of 8 years of experience as a hardware engineer on large radar programs
- Leadership experience in hardware engineering concepts and principles of standard engineering practices, methods, and techniques in support of medium to large engineering programs
- Ability to represent systems solutions to all levels of internal leadership and government customer representatives
- Experience in component engineering
- Ability to work independently and across engineering functions
- Ability to perform detailed engineering analysis, design, and solution development