



Job Description

Job Title: Senior Designer

FLSA Exempt

Department: Design (Operations)

Date: 9/2016

Position Overview:

Responsible for product development of a wide variety of mechanical and electromechanical systems. Develop conceptual, preliminary, and detail designs of components and systems.

Educational Requirements:

Bachelor's degree in aerospace or mechanical engineering or six years of progressive experience in a relevant field. Familiar with the application of best practices of mechanical engineering.

Essential Job Functions:

Develop and mature new and derivative products in various lifecycle stages. Involves conceptual, preliminary, and detail design of complex components and systems and drawing creation. Prepare and conduct preliminary, critical, and technical design reviews.

Support new product development efforts through research, rapid conceptual product development, and proposal writing.

Support Supervision of the fabrication of prototype components by outside vendors. Assemble prototypes in house as needed.

Support subcontractors performing structural and other analyses on designs. Write progress, compliance, technical and other similar reports.

Job Requirements:

- Minimum of 6 years experience in product development or a related field or equivalent education and experience.
- Proficient at solid modeling using SolidWorks or a related package.
- Possess a working knowledge of Microsoft Excel and Microsoft Word.
- Advanced blueprint reading.
- Basic mechanic skills for prototype assembly. Ability to operate basic machine shop equipment a plus.

Physical Requirements:

While performing the responsibilities of the job, the employee is required to talk and hear. The employee is required to sit for extended periods of time and use their hands and fingers, and computer keyboard. The employee is occasionally required to stand, walk, reach with arms and hands. Vision abilities required by this job include close vision.