



Product Design Manager

Responsible for solving major and complex engineering problems in one or more phases of a developmental project involving analysis, research design, development, fabrication and/or testing of a device or system. Research, design, develop, test, or supervise the manufacturing and installation of electrical equipment, components, or systems for commercial, industrial, military, or scientific use. The candidate selected must have the ability to perform the essential duties and responsibilities with or without reasonable accommodation.

ESSENTIAL DUTIES AND RESPONSIBILITIES

- Operate computer-assisted engineering or design software or equipment to perform product design tasks.
- Confer with engineers, customers, or others to discuss existing or potential engineering projects or products.
- Design, implement, maintain, or improve electrical instruments, equipment, facilities, components, products, or systems for commercial, industrial, or domestic purposes.
- Direct or coordinate manufacturing, construction, installation, maintenance, support, documentation, or testing activities to ensure compliance with specifications, codes, or customer requirements.
- Compile data and write reports regarding existing or potential electrical engineering studies or projects.
- Perform detailed calculations to compute and establish manufacturing, construction, or installation standards or specifications.
- Prepare specifications for purchases of materials or equipment.
- Designs, develops, modifies and evaluates complex devices, products and/or systems. Conceives methods and alternatives for satisfying product goals, specifications and requirements of the project/assignment.
- Collaborate with Product Line Engineering to resolve performance issues by performing modeling, optimization, troubleshooting and training of technicians.
- Work with Manufacturing Engineering to facilitate the manufacturing implementation of the filters. Model, prototype and validate measured performance against requirements and iterate designs as required.
- Conducts independent technical investigations involving the origination or modification of material, Components, or process specifications and requirements.
- Generate production ready designs that can be realized economically and require minimal tuning.
- Create test procedures, technical white papers and participate in technical proposal writing.

- Must have expertise with various CAD tools such as AWR, HFSS, ADS, AutoCAD and other design/simulation software. In addition, should have expertise using microwave test equipment such as vector network analyzers.
- Excellent analytical skills required. Must possess excellent communication skills with ability to exchange information and interface effectively with customers clearly and concisely.

BASIC QUALIFICATIONS, EXPERIENCE, SKILLS, AND EDUCATION REQUIRED

- BSEE required; MSEE preferred
- 7-15 years' experience desired
- Strong verbal and written communication skills
- Ability to travel, if required
- Must be a highly motivated, self-driven, goal-oriented individual
- Must be authorized to work in the U.S. This position is located at a facility that requires special access.

ITAR/EAR CRITERIA

- This position will require lawful access to ITAR/EAR controlled information and employees in these roles will need to meet those requirements. Requirements include US Citizenship, US Permanent Resident or ability to meet contract-specific licensure requirements.

LOCATION OF EMPLOYMENT

- Albuquerque, NM; selected applicant may be eligible for reimbursement of relocation costs.

EMPLOYMENT CATEGORY

- Regular Full Time

Send resume/CV by email to careers@3DGSinc.com