

Product Development Engineer

Rec # 1018

Category: Engineering

Job Type: Full Time, Exempt

Location: Onsite, US – MI – Plymouth

Summary:

We are seeking an experienced product development engineer to join our innovative life science organization.

Key Responsibilities:

- Design components or functional systems and modify existing designs to develop or improve products and facilitate manufacturing operations.
- Recommend alterations to development and design to improve quality of products and/or procedures.
- Determines budgets and timelines for assigned projects.
- Leads multifunctional new product project teams, as assigned by Manager, through project technical feasibility analysis, initiation, planning, execution, and termination, adhering closely to project timeline and budget.
- Support Manufacturing to provide processing improvements including design and development of assembly tooling and fixturing.
- Support Marketing and Product Management with technical information to be used for training and marketing of assigned products.
- Initiates, completes and maintains Engineering Change Orders for engineering projects.
- Determine necessity of testing and initiates testing of assigned products. Complete testing/product validation documentation.
- Report progress and status of assigned projects on a timely basis.
- Research materials, new suppliers, components, parts and competitor products.
- Create and maintain revision control of all component and assembly CAD models.
- May be required to travel to visit customers, suppliers or trade shows (minimal)

Experience and Education:

- Bachelor of Science degree in Mechanical or Biomedical Engineering required.
- Minimum two (2) years in medical device or electromechanical system device design/development experience required.

Knowledge and Skill Requirements:

- Experience in electromechanical or medical device design and manufacturing required.
- Frequent use and general knowledge of industry practices, techniques, and standards.
- Manufacturing process knowledge preferred.
- Knowledgeable of FDA and ISO guidelines for the development of medical devices.

- Expertise in Design of Experiments (DOE), Failure Modes Effects and Analysis (FMEA), and Product Test Plans & Reports.
- Expertise with system and unit testing.
- Experience in sourcing parts for various manufacturing processes including CNC Machining, Injection Molding and 3D Printing.
- Knowledge of ISO 13485 quality management systems and design control.
- Project management and communication skills training preferred.

Machine, Tools, Software and/or Equipment Skills and Skill Requirements:

- Proficient with SolidWorks 3D Modeling Software required.
- Proficient in MS Office required.
- Knowledge of C++, Python, and Linux OS preferred.
- Experience operating manufacturing equipment required.
- Experience with robotics and automation preferred.
- Knowledge of mechanical testing equipment preferred.

How to Apply:

For consideration, please submit CV to careers@celsee.com and mention the job description in the subject. No phone calls please. Only qualified candidates will be contacted.

Celsee is an equal opportunity employer, and all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, national origin, disability status, protected veteran status or any other characteristic protected by law.