

Mechanical Designer - Project Management

Project Management / Mechanical Design/ Manufacturing

Moncton, New Brunswick

Do you want to work for a dynamic and rapidly growing company that is an industry leader in our field? Greystone Energy Systems Inc. is dedicated to developing high quality and innovative solutions for its customers with unsurpassed customer service.

The Opportunity

We are growing and looking for a motivated **Mechanical Designer – Project Management** to join the Operations team working in Moncton, New Brunswick.

Objective & Summary

- This position has two functions (1) Mechanical Engineering Design (including product enclosures using injection molding and/or die casting methods) and (2) Project Management responsibilities for New Product Introduction (NPI) projects and/or other project(s) as assigned.
- You will be an integral part of the Design team, developing solutions for both internal and external customers using 3D modelling software (Solidworks) to meet product/customer requirements.
- This position is responsible for the research and development of new product and maintenance of existing product from a Mechanical Design Perspective.
- Lead and help develop project management best practices while managing projects including Cost, Scope and Schedule.

Principle Duties & Responsibilities

- Mechanical Design

- Design (3D Cad), implement, maintain and improve mechanical design(s) for HVAC products.
- Leverage a design for manufacturing approach for all Mechanical Designs including product enclosures that could include injection mold designs for plastics and/or die casting.
- Ensure design compliance with specifications, codes and customer requirements.
- Work with Engineering, Purchasing and other departments as needed to support cost reductions.
- Work with Engineering team members and Product Management to investigate and develop new technologies to enhance product designs, quality and reliability.
- Provide technical support for production and documentation systems related to product designs.
- Prepare accurate 3D CAD models for new product introductions.
- Ensure CAD models and drawing libraries comply with document control system (PLM).

- Work with Process Configuration Specialist ensuring 3D design files and design/assembly constraints are available.
- Initiate and/or provide design input to Engineering Change Orders (ECO's) to improve quality, manufacturability, reduce assembly time or reduce material costs.
- Additional duties as required.

- **Project Management**

- Coordinate New Product Introduction activities for a cross functional team consisting of Design Engineering, Operations, Manufacturing Engineering, Procurement, Customer Service, Sales & Marketing through all phases of a new product introduction.
- Ensure compliance to New the Product Introduction (NPI) process and gate reviews.
- Coordinate all project activities amongst cross- functional team members to ensure schedule, budget, and quality adherence to the agreed upon NPI project milestones per the NPI SOW.
- Support Product Management in generating NRE estimates for products identified on the product roadmap.
- Generate and maintain NPI project schedule reporting on major milestones and project status (Cost, Schedule, Change Request/Scope).
- Work with functional leads to secure and maintain resources for execution of project tasks.
- Manage project risks to minimize adverse impacts.
- Organize and chair design reviews and weekly project team meetings.
- Present project status to Senior Management including comparison to original business case.
- Coordinate engineering change requests through the NPI stages.
- Manage the transition of the new product into production.
- Act as a change agent to improve and implement Project Management best practices.

Education, Training & Experience

- Degree in Mechanical Engineering, technical electronics diploma or equivalent experience.
- Minimum 5 years' experience in Mechanical Product design for manufacturing with a background in inject molding/die casting.
- 3-5 Years of Project Management experience in a Design and Manufacturing Environment and/or IT.

Preferred Skills and Competency Requirements

- The successful candidate must be able to work with minimal direction independently and thrive in a fast-paced, dynamic environment.
- Advanced knowledge of CAD and 3D modeling software (SolidWorks).
- Advanced knowledge of plastic part design and injection molding/die casting.
- Able to read and interpret mechanical drawings and design documentation.
- Keeping up-to-date technically and applying new technology to projects as required.
- Effective organizational, time and priority management skills.
- Ability to observe, receive and otherwise obtain information from all relevant sources.

- Patience and understanding; and a commitment to lifelong learning.
- Basic knowledge of electrical components and electronic circuits.
- Strong problem-solving and multi-tasking ability.
- Proficient with Microsoft Office programs (Word, Excel).
- Ability to observe, receive and otherwise obtain information from all relevant sources.
- The candidate will be a key team member managing/working on multiple projects and should demonstrate a good understanding of applicable mechanical design and project management skills.

Preference will be given to applicants that can prove a successful track record.

Please provide at least three (3) reference names and email addresses of people who are very familiar with your skills, abilities and experience. All references will be contacted for successful candidates.

Only those who will be considered for the next step of the application process will be contacted

Applications should be forwarded to Sima Eskandari, HR Manager
Eskandari.s@greystoneenergy.com