

RENEWABLE INNOVATIONS, INC.

Job Description



Division/Department: Engineering

Job Title: Mechanical Engineer

Reports to: Mechanical Engineering Lead

Class:

Type of position:

- Full-time Part-time
 Contractor Intern

Hours_40 / week

- Exempt
 Nonexempt

GENERAL DESCRIPTION

Department Objectives

General Overview

As a team player, this position will have responsibilities associated with the research and development of new cutting-edge hydrogen fuel cell systems.

Technical

- Design mechanical and electromechanical products in SolidWorks with primarily focus on:
 - Implementing best practices in
 - Technology
 - Safety
 - Performance
 - Maintenance
 - Create assembly drawings and diagrams.
 - Develop work instructions for production personnel.
 - Build full and accurate bill of materials with supporting documentation.
 - Support Sales and Marketing efforts with documents
 - Develop and maintain engineering files and drawings
 - Working knowledge of hydrogen component systems (lines, tanks, valves & fittings)

Other

- Bring excitement and joy in your work and projects. Uplift other around you. Promote the company's objectives of Green, Clean, and Exciting.
- Continue to learn and improve using on-going lessons learned and studying best practices
- Study continually the industry, technology, and safety best practices and implement them
- Make sure your tools are always sharp, clean, and ready (metaphorically as well as actually)
- Must have a strong work ethic and willing to take on new challenges
- Works and collaborates well in groups as a contributing team member
- Enjoys working in both office and fabrication shop settings

EDUCATION

- Minimum ME BS Degree.
- Industry and other Educational Experience

EXPERIENCE

- Min 3 years working as a Mechanical Engineer
- Min 2 years in SolidWorks, or 3 years in other 3D modeling software
- SolidWorks PDM
- Creating work instructions
- Sourcing components
- Hands-on metal shop:
 - Welding
 - Machining
 - Flatwork
 - Understanding of finishing processes (paint, powder coating, galvanizing & anodizing)
 - 3D Printing
- Worked in a research and development setting

SKILLS

- Any that you can bring to the team to improve the product, the company mission, the team, etc.

CURRENT AND NEW TRAINING

- Safety Standards
- SolidWorks (All Modules)
- Understanding development process
- Safety
- Lean manufacturing
- Leadership
- Writing
- Communication and Marketing

PERFORMANCE EVALUATION CRITERIA

Self

- Set 3 self-goals of improvement quarterly
- Let your peers and manager know what they are
- Evaluate you progress often

Peer

- Work with your peers and help them improve
- Work as a team to be the best Engineering professional in the industry
- As you meet with other engineers learn as much “best practices” as you can from them

Manager

- Work closely with your manager so they can help with your quarterly goals
- Your manager will focus on your improvement and team contributions to elevate you, the team and the company