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
- 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