



Position Title: Mechanical Designer

Location: Burnaby, BC

Reports To: Director Engineering

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## Summary

Greenlane Renewables Inc., headquartered in metro Vancouver, Canada, is a pioneer in the rapidly growing renewable natural gas (“RNG”) industry. As a leading global provider of biogas upgrading systems, we are helping to clean up two of the largest and most difficult-to-decarbonize sectors of the global energy system: the natural gas grid and the commercial transportation sector. Our systems produce clean, low-carbon and carbon-negative renewable natural gas (RNG) from organic waste sources including landfills, wastewater treatment plants, dairy farms, and food waste. Greenlane is the only biogas upgrading company offering the three main technologies: waterwash, pressure swing adsorption, and membrane separation and has over 30 years industry experience, patented proprietary technology, over 100 hydrogen sulfide treatment systems sold, and over 135 biogas upgrading systems sold into 19 countries, including many of the largest RNG production facilities in the world. Greenlane is a publicly-traded company on the Toronto Stock Exchange (TSX: GRN).

The Mechanical Designer will work closely within the Engineering Team and will be integral in the execution of Greenlane product development and project execution. The successful candidate will work with various internal stakeholders to ensure mechanical modeling and drawing deliverables are high quality and delivered on-time and within scope of budget.

## Key Duties & Responsibilities:

- Prepare models and drawings of plants, equipment and piping using SolidWorks and CADWorx.
- Develop and edit piping and instrumentation diagrams (P&ID) for the system layout using AutoCAD Plant 3D.
- Perform pipe sizing calculations and analyses for piping system design.
- Create and interpret engineering designs, drawings, specifications, and detailed mechanical designs of biogas upgrading equipment. Check and edit drawings.
- Confirm system consistency between 3D models, BOMs, and drawings.
- Inspect and support manufacturing processes and systems. Site visits may be necessary.
- Provide time and cost estimates for input into project planning activities.
- Ensure the design solution meets the client outcome requirements and is of sufficient detail to meet the manufacturer’s requirements with clear definition of scope.
- Understand and ensure that the design meets all applicable industry codes and standards for the designs, and that all Greenlane designs are well documented.
- Active participation in the certification process for equipment and piping per design codes and regulations applicable to multiple jurisdictions depending on site location.
- Play an active role in team and internal stakeholder meetings.
- Follow sound engineering practice regarding documentation development and management, document control, change management.

## Education & Experience:

- Technical diploma in drafting design or equivalent - an equivalent combination of experience and education would be considered.
- A minimum of 5 years’ experience in mechanical and piping system design is required.
- Experience with SolidWorks or CADWorx is required.
- Experience with PDM/PLM systems is an asset.
- Experience with design software such as AutoCAD Plant 3D and other CAD products is an asset.
- Engineering and product development experience, preferably in the oil & gas or renewable industry.



- Experience with ASME pressure piping and pressure vessels including B31.3 and BPVC Section VIII.
- Practical understanding of manufacturing, design & engineering processes with the ability to analyze and solve problems.
- Can-do attitude, and an ability to foster teamwork and work effectively with cross functional teams.
- Self-starter, highly motivated with a keen desire to get things done.
- Meticulous attention to detail and strong organizational skills.
- Excellent troubleshooting and data analysis skills.
- Working knowledge of thermodynamics, fluid mechanics, and materials science.
- Working knowledge of engineering instrumentation.
- Strong oral and written communications skills.
- Must be able to manage and prioritize various activities from multiple projects simultaneously.
- A reputation for having sound business ethics and integrity.
- Some travel may be required (with consideration for COVID regulations).

### **How to Apply**

We are an equal opportunity employer and invite applications from all qualified individuals. To be considered for this role please apply through the Greenlane Renewables page on LinkedIn and attach your resume. While we thank all interested candidates only those who are short-listed will be contacted.