



Position Title	Mechanical Engineer
Location	Burnaby, BC
Reports to	Director, Engineering

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## Summary

Greenlane Renewables Inc., headquartered in metro Vancouver, Canada, is a leading global provider of biogas upgrading systems that are helping decarbonize natural gas. Our systems produce clean, low-carbon and carbonnegative renewable natural gas (RNG) from organic waste sources including landfills, wastewater treatment plants, dairy farms, and food waste, suitable for either injection into the natural gas grid or for direct use as vehicle fuel. With multiple core technologies, more than 125 biogas upgrading systems sold into 19 countries and counting, and over 30 years industry experience and patented proprietary technology, Greenlane is inspired by a commitment to helping waste producers, gas utilities or project developers turn a low-value product into a high-value renewable resource. Greenlane is a publicly-traded company on the Toronto Stock Exchange (TSX: GRN).

The Mechanical Engineer will work closely within the Engineering team and will be integral in the planning, engineering and execution of Greenlane product development and project execution. The successful candidate will coordinate with various internal stakeholders to ensure engineering deliverables are high quality and delivered on-time and within scope of budget.

## Key Duties & Responsibilities:

- Prepare models and drawings of plant, equipment and piping using SolidWorks.
- Create and interpret engineering designs, drawings, specifications, and detailed mechanical designs of biogas upgrading equipment. Check and edit drawings.
- Contribute to piping and instrumentation diagrams (P&ID) for the system layout.
- Confirm system consistency between 3D models, BOM, and drawings.
- Work with external vendors to ensure designs and documentation have required information with the correct level of quality. Support the fabrication process and assist with final factory acceptance testing when necessary.
- 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
- Interface with internal and external customers to develop or understand specifications.
- Troubleshoot field reported issues and enact changes as needed to optimize performance and reliability.
- Follow sound engineering practice regarding documentation development and management, document control, change management.
- Assist in reviewing and summarizing relevant process codes and regulations for input into company design processes
- Manage and work with external service providers to ensure that engineering related work is of sufficient quality

## Education & Experience:

- Bachelor's Degree in Mechanical Engineering plus a minimum of 5 years' related experience.
- P.Eng designation is an asset
- Experience with SolidWorks
- Experience with PDM/PLM systems is an asset
- Experience with modelling piping in a 3D CAD environment
- Engineering and industrial product development experience, preferably in the oil & gas or renewable industry.
- Experience with ASME pressure piping (ASME B31.3) and pressure vessels (ASME Section VIII Div. 1)
- 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.
- Working knowledge of thermodynamics, electrochemistry, fluid mechanics, and materials science.
- Strong knowledge of engineering instrumentation.



- Outstanding oral and written communications skills.
- Hands-on experience with mechanical and electrical equipment assembly and troubleshooting.
- Decision making ability, with excellent planning and problem solving 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

**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.