

Position Title	Senior Staff Process Engineer
Location	Burnaby, BC
Reports to	Director, Engineering

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: water wash, pressure swing adsorption (PSA), 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.

The Senior Staff Process Engineer will spearhead the process design, modeling, and performance analysis of our biogas upgrading plants. Leveraging experience in the renewable natural gas or oil & gas industries, the successful candidate will drive innovation and efficiency in our projects. As a senior member of our team, you will mentor junior-to-intermediate engineers, foster cross-functional collaboration, and contribute to strategic decision-making to propel the company's growth and success. A proactive mindset and a commitment to continuous learning and professional development are essential.

Duties & Responsibilities:

- Lead the creation and review of process flow diagrams, mass balances, and P&IDs.
- Drive process design, troubleshooting, and optimization with a deep technical understanding of Greenlane products and its three major biogas upgrading technologies.
- Conduct and oversee line sizing, equipment sizing, specification, review and selection.
- Conduct thorough technical evaluations of equipment quotes.
- Preparation and review of process safety system design (e.g. relief load estimation, relief valve sizing and selection)
- Lead process safety analysis (e.g., HAZOPs, PHAs)
- Lead the preparation of process simulations in AspenPlus and Aspen Hysys, or equivalent.
- Provide high-level technical support for proposal preparation and ensure accuracy and completeness.
- Deliver expert technical support for existing and new biogas upgrading plants, ensuring operational excellence.
- Identify, evaluate, and integrate new technologies to maintain competitive advantage and operational efficiency.
- Provide input into process controls to ensure the plant controls are optimized to meet requirements.
- Liaise with equipment suppliers to ensure technical deliverables meet stringent process requirements.
- Collaborate with external service providers to ensure that process engineering-related work meets the highest quality standards.

- Oversee the review and summarization of relevant process codes and regulations (e.g. API, ASME, NFPA) for incorporation into company design processes.
- Conduct possible site visits to client and supplier locations for advanced technical support and troubleshooting.

Education & Experience:

- Bachelor's Degree in Chemical Engineering, with 12+ years of experience in process engineering
- P. Eng. designation is required.
- 2 to 3 years of experience with pressure swing adsorption (PSA), water wash or membrane separation technologies are considered assets.
- Proven technical expertise in the gas processing industry with extensive experience in natural gas plants.
- Proficient in Aspen Hysys, Aspen Plus, UniSim, VMGSim, or Promax process simulation software.
- In-depth understanding of the industrial equipment manufacturing industry.
- Experience with AutoCad P&ID or Plant3D is an asset.
- Exceptional communication skills with the ability to foster a collaborative team environment.
- Unwavering attention to quality and detail.
- Demonstrated strong decision-making abilities with excellent planning and problem-solving skills.
- Capable of managing and prioritizing diverse activities across multiple projects simultaneously.
- Proactive team player with the initiative to solve complex problems and resolve issues effectively.
- Experience with process controls definition.
- Established reputation for sound business ethics and integrity.

We are committed to transparency in our hiring process. We will be offering a base salary of \$110,000 - \$130,000 based on a candidate's qualifications and experience.

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 home page on LinkedIn Recruiter and attach your resume. While we thank all interested candidates only those who are short-listed will be contacted.