

Position Title	Senior Electrical / EIC Engineer, P.Eng
Location	Burnaby, BC
Reports to	Director Engineering, Commercial Projects

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).

Greenlane is seeking a Senior Electrical / EIC Engineer who will be responsible for the execution of engineering duties within the scope of renewable natural gas upgrading projects. The Senior Electrical / EIC Engineer will be responsible for generating, reviewing and authenticating electrical deliverables while supporting the Director of Commercial Projects.

Duties and Responsibilities:

- Create, review and authenticate electrical, instrumentation and controls drawings and documentation including: electrical and control system schematics and wiring diagrams, single line diagrams, load lists, cable schedules, panel designs, power consumption and load calculations
- Execute engineering analysis to select and size: cables, circuit breakers, fuses, cable trays, grounding systems, motors, as well as other sensors and actuators including VFDs
- Perform engineering design and layout of industrial control panels and field wiring
- Implement PLC, HMI and remote management software strategy to commercial projects
- Review electrical equipment and instrumentation specifications
- Review vendor drawings and liaise with equipment suppliers to ensure electrical technical deliverables meet the intended purpose and their design requirements
- Coordinate design criteria definition and implementation with other engineering disciplines
- Mentor and provide support and guidance to electrical engineering staff
- Prepare and supervise written engineering reports, studies, calculations
- Apply Greenlane standard engineering best practices and engineering design principles
- Comprehend and apply applicable electrical codes, including national and international codes
- Work with Greenlane manufacturing engineering and external vendors to ensure delivery of quality product, including assisting with factory acceptance testing
- Provide on-site support for project teams and field service personnel in activities such as commissioning as needed
- Participate in the development, planning, scheduling and coordination detailed phases of customer projects and product development projects

- Pre-project scoping at client sites
- Troubleshoot electrical, instrumentation and controls site issues

Education and Experience:

- Must be registered Professional Engineer with EGBC
- Bachelor's Degree in Electrical Engineering (or related discipline) with minimum 5 years of experience as an electrical engineer.
- Experience with Instrumentation and Controls is required
- Ability to design and verify engineering solutions against a set of requirements
- Demonstrate strong fundamental knowledge of Electrical Engineering in an industrial environment
- A thorough understanding of the Canadian Electrical Code (CEC), NFPA70, IEEE and ISA standards in electrical engineering design
- Ability to use EPLAN and AutoCAD Electrical software is required
- Familiarity with industrial gas process equipment operation and maintenance is an asset
- Proficiency in safety system design and implementation in an industrial environment
- Proficiency in understanding, operating, and troubleshooting complex control systems
- Familiarity with instrumentation, sensors and actuators selection, installation and configuration
- Experience in design, selection and installation for hazardous areas
- Experience in bonding and grounding
- Proficient in low voltage distribution system design
- Experience working with standard product documentation packages and associated document management tools such as PLM is an asset
- Must be able to travel for site installation, inspection, commissioning and troubleshooting
- Experience with coordinating electrical and instrumentation procurement vendor inspections and QA / QC reporting activities
- Working knowledge of Automation Hardware is an asset; PLC /HMI software i.e. Siemens and/or Rockwell Automation
- Effective communication skills, and have the ability to work independently and in a multi-disciplinary team environment
- Experience managing and prioritizing various activities from multiple projects simultaneously

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.