Position Title	Electrical, Controls & Instrumentation Lead
Location	Burnaby, BC
Reports to	Director, Engineering

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 carbon-negative 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).

Greenlane Biogas is seeking an E&I Lead who will be responsible for leading the E&I team members in the execution of engineering duties and will be expected to apply engineering principles when solving complex problems. Specifically the E&I Lead will be responsible for reviewing and approving team deliverables while setting the path forward for the team as it continues to execute in a growth environment.

Duties and Responsibilities:

- Manage the Electrical, Controls and Instrumentation team at Greenlane, with duties that include: 1-on-1 mentoring, supervision, delivering performance feedback and implementation of training & development
- Assist in the assignment of resources to projects and the monitoring of capacity
- Develop and execute EC&I team strategies in a growing team environment
- Ensure EC&I team execute with appropriate quality in line with EGBC and ISO quality standards
- Manage the development and implementation strategy for PLC, HMI and remote management software across Greenlane's three biogas upgrading technologies
- Review electrical & instrumentation design work packages and specifications including: electrical and control system schematics, single line diagrams, load lists, cable schedules, panel designs, lighting/lightning calculations, power consumption and load calculations
- Independently evaluate the selection and/or modification of standard techniques, procedures, criteria and systems to efficiently meet project goals
- Prepare change requests as required
- Review motor sizing, specification and selection
- Proficiency in cable sizing, cable tray sizing,
- Review electrical equipment and instrumentation specifications
- Apply standard engineering best practices and exhibit a working knowledge of applicable electrical codes
- Must follow Greenlane standard engineering design principles and work closely and professionally with other team members
- Review vendor drawings
- Developing, planning, scheduling and coordinating detailed phases of customer projects and product development projects
- Reviewing and generating design data from P&IDs
- Coordinating details and miscellaneous design criteria with other engineering teams
- Preparing and /or supervising engineering reports, studies, calculations and checks drawings as required
- Project scoping at client sites
- Prepare maintenance scopes of work for the repair, alteration, and/or replacement-in-kind of refinery equipment
- Troubleshoot EC&I issues
- Assisting with factory acceptance testing, site acceptance testing and commissioning
- Liaising with equipment suppliers to ensure technical deliverables meet E&I requirements
- Working with external service providers to ensure that electrical related work is of sufficient quality

Education and Experience:

- Bachelor's Degree in Electrical, Instrumentation & Control System Engineering (or related discipline) with 8-15 years' experience as an E&I engineer
- Must be registered Professional Engineer with EGBC
- Demonstrate strong fundamental knowledge of Electrical Engineering in an industrial environment
- Familiar with instrumentation selection, installation and configuration
- Familiar with hazardous area design, selection and installation, grounding would be an asset
- Familiar with low voltage distribution system design
- Familiar with electrical and instrumentation scopes of work and construction work packages, including detailed drawings and specifications
- A thorough understanding of the Canadian Electrical Code (CEC), NFPA70, IEEE and ISA standards in electrical engineering design
- Must be able to occasionally participate/travel for site installation related of the electrical equipment in hazardous area, construction and pre-commissioning
- Experience with coordinating electrical and instrumentation procurement vendor inspections and QA / QC reporting activities
- Knowledge of maintenance, reliability, and turnaround practices an asset
- Proficiency in Google Workspace and/or Microsoft Office programs (advanced knowledge of Microsoft Excel is an asset)
- Strong experience with AutoCAD Electrical. Knowledge of EPLAN software is an asset
- Working knowledge of the following Automation Hardware is an asset; PLC /HMI software i.e. Siemens SIMATIC S7/TIA portal/, WinCC, Rockwell Automation: RSLOGIX 5000 PLC/HMI
- Demonstrate exceptional critical thinking skills with an ability to identify and anticipate potential risks.
- Shows initiative and drives cost effective and timely results
- Effective communication skills, and have the ability to work independently and in a multi-disciplinary team environment
- Must be able to manage and prioritize various activities from multiple projects simultaneously
- Experience in the oil and gas industry is an asset, preferably in an EPCM or Owner/Operator environment
- Some travel and site work 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 home page on LinkedIn Recruiter and attach your resume. While we thank all interested candidates only those who are short-listed will be contacted.