

Position Title	Electrical and Instrumentation Programming Specialist
Location	North America
Reports to	EIC Engineering Lead

Summary

Greenlane Renewables Inc., headquartered in metro Vancouver, Canada, is driving change: accelerating the energy transition. We are cleaning up two of the largest and most difficult-to-decarbonize sectors of the global energy system: the natural gas grid and commercial transportation. As a pioneer and leading global specialist in biogas desulfurization and upgrading, we have been actively contributing to the decarbonization of our planet for over 35 years with more than 500 systems supplied into 32 countries. We transform biogas generated from organic waste into high-value grid-ready renewable natural gas ("RNG") from a wide range of sources such as landfills, sugar mills, dairy farms, wastewater, and food waste. Greenlane is transforming energy production and creating new, sustainable revenue streams for its customers - all while dramatically reducing carbon emissions. Join us, let's accelerate the energy transition together. Greenlane is a publicly-traded company on the Toronto Stock Exchange (TSX: GRN).

Greenlane is seeking an Electrical and Instrumentation (E&I) Programming Specialist. The E&I Programming Specialist will be responsible for working with team members in the execution of engineering duties and will be expected to apply engineering principles when solving complex problems. Specifically the E&I Programming Specialist will be responsible for developing, reviewing and optimizing automation programs.

Duties and Responsibilities:

- Proficient with Siemens software and products including but not limited to; TIA Portal, Simatic Manager, Step 7.
- Optimizing programming functionality with current industry practices.
- Development of testing procedures to review and verify automation programs (PLC, HMI).
- Independently evaluating the selection and/or modification of standard techniques, procedures, criteria and systems to efficiently meet project goals.
- Conduct technical studies, equipment and systems performance audits and present improvement recommendations.
- Knowledge of Hazardous Area classification and markings.
- Experience with motor sizing, specification and selection.
- Proficient in engineering design software mainly AutoCAD/Eplan tools
- Apply standard engineering best practices and exhibit a working knowledge of applicable electrical codes.
- Must follow Greenlane electrical standard design principles and work closely and professionally with other team members
- 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.
- 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 5-8 years' experience in control systems design and/or automation programming
- Registered Professional Engineer in BC would be an asset.
- Start-up and commissioning experience is required.
- Familiar with Instrumentation selection, installation and configuration would be an asset.
- 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, IEC and ISA standards in electrical engineering design.
- Expert knowledge of the following Automation Hardware is required; PLC /HMI software i.e. Siemens SIMATIC S7/TIA portal/, WinCC, Rockwell Automation: RSLOGIX 5000 PLC/HMI.
- 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 Microsoft Office programs (advanced knowledge of Microsoft Excel is an asset).
- Working knowledge of the AutoCAD Electrical. Knowledge of EPLAN software is an asset.
- 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.
- Experience in the oil and gas industry is an asset, preferably in an EPCM or Owner/Operator environment.

We are committed to transparency in our hiring process. We will offer a base salary of \$100,000 to \$120,000, 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.