



Position Title	Electrical Controls & Instrumentation Field Engineer
Headquarters Location	Sheffield, UK,
Expected Travel	Internationally
Reports to	Service Manager, UK

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).

This position will provide support to the Electrical, Control and Instrumentation team, working within the Biogas industry on supporting clients with Greenlane Biogas upgrading products such as gas compressor systems, level and pressure controls, flow controls, gas chromatographs and gas analyzers.

Job Duties & Responsibilities:

Health and Safety/Quality

- Demonstrate a personal commitment to Quality, Health, Safety and the Environment.
- Promote a culture of continuous improvement, and lead by example to ensure company goals are achieved and exceeded.
- Participate in ongoing training and compliance requirements associated with the industry.
- Supervise subcontractors on site; this includes health, safety & quality compliance.
- Adhere to the company's Health & Safety Policy and Quality Management System.
- Perform risk assessments and prepare risk and method statements.
- Promote a culture of continuous improvement.
- Comply with clients Health & Safety Policies.
- Complete team pre job tool box talks.
- Contributing and signing onto client work permits.

Service and Maintenance

- Provide on-site and remote demand field service support for our Biogas upgrading plants around the world.
- Troubleshooting Biogas process issues, low voltage electrical hardware and control systems.
- installation and mechanical failures on Biogas applications and sophisticated control circuits.
- Analyze system data trend logs to diagnose issues and implement solutions on site and remotely.
- Supervise site services and conduct lockout and re-start procedures.
- Create troubleshooting reference documentation.
- Interface with internal and external customers.
- Yearly calibration on safety critical instruments including: Flow meters, Pressure transmitters, Gas Analyzers, Temperature & Level sensors.
- Generate detailed customer service reports and documentation.
- Undertake Planned Preventative Maintenance routine site visits.
- Flexibility with working hours, as being part of a Global On-Call Rota and UK/EU call-out service



is expected.

- Be able to travel up to 80% within the UK/Europe, with the possibility to travel internationally.

Installation and Commissioning

- Executing start-up and commissioning of Greenlane biogas upgrading plants including pretreatment, compression and upgrading systems.
- Quality assurance on new equipment including testing new hardware and debugging new software including PLC program, HMI and industrial automation controls and equipment. i.e. VSDs, Soft Starters, Motors and Motor Controls and general electrical equipment.
- Calibrating instruments such as: Flow meters, Pressure transmitters, Gas Analyzers, Temperature & Level sensors.
- Test and implement new control and monitoring systems.
- Perform FATs and SATs to new equipment and installations.
- Provide on-the job and classroom training to customers.

Qualifications and Experience:

- Candidate should be a motivated self-starter with complex problem-solving ability. Excellent communication skills and team-oriented personality.
- Electrical or Control Engineering HND or equivalent education and experience with at least 3+ years of previous industry experience.
- A good understanding and ability to work with Siemens Automation Software and Hardware, Programmable Logic Controllers (PLC) (S7-300, S7-1500) and HMI; e.g. Simatic Manager, TIA portal & WinCC.
- Ability to read and understand PLC control logic in programming environment i.e. Ladder logic, Function Blocks, Structure Text, SFC/Graph, and work with communication protocols Ethernet/IP, Profinet, Fieldbus, Modbus.
- Familiar with HART communication protocol.
- Ability to read and understand Low Voltage (up to 600V AC/ 50-60 HZ) Electrical diagrams and drawings.
- Ability to read and understand Control system drawings and P&IDs.
- Familiar and good understanding of Variable Speed Drives (VSDs), preferably ABB & WEG
- Familiar with ATEX and working in explosive atmospheres.
- Must be able to distinguish colors.
- Valid driver's license, safe driving record.
- Electrical (18th Edition).
- Engineering experience within either CHP, Biogas, Anaerobic Digestion, Gas Engines, Diesel Engines, Generators, Power Generation, Waste to Energy, Landfill Gas would be an asset.
- Ability to exhibit professionalism and calm in difficult and stressful situations.
- Understanding of Health, Safety and Environment legislation and requirements.

Advantageous/Desired Qualifications/Certificates/Experience:

- H2S Awareness.
- IOSH/NEBOSH – Other health and safety courses.
- DSEAR.
- COMPEX EX1-4.
- IPAF.
- Gas Safe – IGAS.
- Functional Safety TUV SUD.
- Siemens courses/qualifications.
- Emerson TREX communicator/ TREX Remote Viewer experience.
- Experience with Emergency Shutdown/ Fire and Gas Systems (safety critical)

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.