**Green Cat Renewables Job Advertisement – Instrumentation & Controls Engineer**

Location: Edinburgh or Glasgow

**The Company**

Green Cat Renewables (GCR) is a dynamic, innovative company that provides the complete range of technical services required to deliver renewable energy projects. The team of over 90 Engineers and Environmental Consultants deliver projects on behalf of clients from four offices in Edinburgh, Glasgow, Livingston and Biggar. GCR also works closely with its three sister companies Green Cat Contracting and Green Cat Hydrogen based in the UK and Green Cat Renewables Canada.

Through the Engineering Department, the company provides Engineering Consultancy and Project Management services to Clients. This includes planning condition discharge; civil and electrical design; hydrology and energy yield analysis; multi-technology system and control design; procurement; project finance technical assistance; contract preparation, negotiation and management; site supervision; civil, mechanical and electrical inspections; and other requirements relating to the design and construction of wind, solar, BESS, hydrogen and hybrid projects.

Green Cat Renewables is currently developing its in-house capability for hydrogen and multi-technology project development support and requires an Instrumentation and Control Engineer to join the Engineering team in either the Edinburgh or Glasgow office.

**The Role**

* Interpret User Requirement Specifications and write Functional Design Specifications.
* Produce control and telecommunications architecture.
* Develop / design the integration of control system(s) focusing on system compatibility and communication protocols.
* Identify input and output schedules, develop control schematics, and carry out control panel design (PLC/DCS) and junction box layouts.
* Carry out development, validation and verification of the architecture of SCADA servers and clients.
* Lead the testing and validation of control systems, including functional testing (FAT / iFAT / SAT), and field trials to ensure they meet design specifications and operational requirements.
* Design and review engineering work packages, loop diagrams, wiring diagrams, data sheets, piping and instrumentation diagrams, mechanical package interconnection drawings.
* Prepare various design calculations as required.
* Specify instrumentation and control hardware ensuring functionality, material selection, and safety.
* Review and check calculations, design models and drawings and design documents prepared by others in the group and by material suppliers, as assigned.
* Prepare cost estimations.
* Work with designers in other disciplines within the project to co-ordinate designs, specifications and requirements.
* Work independently and take initiative to research information to complete tasks within the budgeted time.

**The Candidate:**

* 4+ years engineering experience.
* Electrical background specialising in communication, Control/Data Acquisition and electronics.
* Experience in technical engagement with customers and other stakeholders.
* Relationships and contacts within the industry desirable.
* Willingness to travel when required.
* Valid Driving Licence.

**Benefits:**

* Competitive salary
* 25 Days annual leave and 8 flexible bank holidays
* Private Medical Healthcare
* Cycle to work scheme
* Professional development opportunities and support
* Professional fees paid for by the company
* Company social events and team building days
* On-site parking with EV charging points available to staff

To apply please send a full CV and covering letter to: jobs@greencatrenewables.co.uk.