

Green Cat Renewables Job Advertisement – Senior Civil Design Engineer

Location: Edinburgh

(Stobo House, Midlothian Innovation Centre, Roslin)



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 60 Engineers and Environmental Consultants deliver projects on behalf of Clients from three offices in Edinburgh, Livingston and Biggar. GCR also works closely with its two sister companies Green Cat Hydrogen based in the UK and Green Cat Renewables Canada based in Calgary.

Through the Engineering Department the company provides Client's Engineer and Project Management services to clients developing renewable energy projects. This includes: Civil Design Engineer civil and electrical design; procurement; project finance technical assistance; contract preparation, negotiation and management; site supervision; civil and electrical commissioning inspections; whole project management.

GCR requires a Civil Design Engineer to join their Engineering Department in Edinburgh working with the team, across departments, and with sister companies within the Green Cat group. The candidate will be expected to produce and/or manage all the necessary project documentation, calculations, design risk assessments, reports and drawings (produced by CAD Technician), from conceptual design through to detailed design and sign off on site. The candidate will ensure that engineering design is done in compliance with the industry standards, project objective and contractual requirements. Civil Design elements within the scope of GCR's work may include:

- Wind Farm Project Design – working platforms, roads, drainage (SuDS), ground stabilisation/earthworks, wind turbine foundation solutions, substation buildings, other civil infrastructure and temporary works;
- Hydropower Project Design – powerhouse buildings, intake/weir structures, thrust blocks, pressurised pipelines, access tracks, pipe and road bridges, other civil infrastructure and temporary works;
- Civil Elements of Other Renewable Projects – storage, solar, green hydrogen, etc.
- Structural inspection of existing structures (bridges, buildings, roads, etc.).

This is a key position supporting different departments within the business and providing bespoke solutions for various projects.

The Role

The role will primarily involve the following:

- Lead the design process for various civil elements as described above.
- Provide expert knowledge in the following civil engineering areas: Structures (RC, steel and masonry), roads, hydraulic structures (including pipelines), geotechnics (ground stabilisation, earthworks for foundations, piling, etc.) and SuDS.
- Produce designs, and necessary documents (such as Design Basis Statements) required to progress a project through the design and construction phase.
- Address technical issues arising in all phases of a project development related to civil & structural design.
- Take responsibility for the design and ensure that all designs are the best solution for project requirements, considering: timescale, resource, cost, safety, client and industry standards. Develop and maintain a technical knowledge of the processes and elements required to deliver designs needed to design the civil elements within GCR's scope of works. Provide technical input and review of designs produced in house and by third parties. Monitor progress on site, ensuring compliance with design. Engage in Business Development activities for the acquisition of civil design clients.
- Respond to Invitations to Tender for civil design work.
- Support PM in estimating project costs, resource requirements and budgets.

- Attend design meetings.

The Candidate

The candidate would ideally have the following:

- 12 years + experience of civil engineering design.
- At least 3 years site experience in a civil engineering environment.
- Chartership with the Institute of Civil Engineering desirable. Experience with relevant civil design software essential – such as Autodesk Civils 3D, AutoCAD, Robot/Tekla Structural Designer (or other 3D modelling structural software including steel connections packages). Experience working to UK Design codes and standards essential.
- Capable of working to UK design codes and standards essential.
- Willingness to undertake regular travel across Scotland/UK.
- Valid Driving License for us within UK.

Benefits:

- Competitive salary
- Private Medical Healthcare
- 25 Days annual leave and 8 flexible bank holidays
- 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.
- Flexible working opportunities

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