ROLE NAME:	PROJECT ENGINEER
Reporting to:	Technical Support and Projects Manager

1. Role Description

The Project Engineer's responsibilities are to provide the technical expertise and technical leadership for projects and complex systems design and delivery. Working with the customer and internal stakeholders, the Project Engineer will lead the technical design and technical response in the proposal phase of a project and then lead the solution design build, test, installation and commissioning in the delivery phase of a project.

In the proposal phase, and working with product and market group experts, the role of the Project Engineer is to design a solution that meets the design brief through the selection and configuration of the correct products, the identification and design of the communication, power and integration points, and identify software architecture or bespoke software engineering that may be required in addition to the standard Campbell Scientific software offering.

In the delivery phase, working with the Project Manager and both internal and external resources, the Project Engineer will lead the technical discussion and will assist with the build of the proposed system and then undertake the creation, documentation and execution of internal and client-based testing, system installation, commissioning, user training and then support. Some programming may also be required. The Project Engineer also works closely with the Project Manager to ensure that delivery and quality targets are met.

2. Main Responsibilities

It is expected that within this role, the Project Engineer will undertake the following duties:

- Technically lead the design and build of project-based solutions, drawing on the expertise of others when required.
- Support sales in the review and writing of tender response in terms of Campbell's hardware and software technical compliance for the design of turnkey and\or core offering project solutions.
- Create project specific documentation that includes but not limited to detailed system design drawings, technical manuals, testing documentation and training materials.
- System and solution build, test, installation, commissioning and training.
- Provide technical and manufacturing information to production teams, where necessary for the completion of orders, including non-standard products and services.
- Undertake software programming for Campbell Scientific loggers.
- Attend meetings with clients and customers to deliver technical presentations and solutions.
- Collaborate closely and maintain strong working relationships with peers in the local and regional offices.
- Maintain an excellent working knowledge of the Company's products and services.
- Undertake travel away on Company business when required, including overnight stops in the UK and overseas. Travel, when allowed could be up to 20% of your time.
- To document activities following Company procedures and using Company systems.
- Any other duties as required by the Company commensurate with the role and required skills.

3. Personal Specification

Technical Skills and Competencies	Essential	Desirable
A background and experience in designing technical solutions and systems inclusive of both hardware and software architecture	X	
Have worked in a project environment and have delivered projects in a project engineering role. Experience in the aviation, environmental or renewables industry is desirable	X	
Experience in using Microsoft Visio, AutoCAD and\or solid works, to design a system including communication and power designs	X	
A background and experience with designing with a wide variety of communications types, Direct RS232/422/485, radio, mobile, IoT, ethernet, Satellite	X	
Capability in undertaking and managing bespoke software creation using programming tools for Dataloggers or Automation devices (PLC's or similar) Programming in C++ would be desirable [1]	X	
Capability in undertaking and managing the configuration of standard software packages (Data acquisition / visualisation) [1]	X	
A strong customer focus and have experience working directly with customers and know how to develop and maintain professional and commercial relationships	X	
An excellent communicator, both written and verbal	X	
Have a 'can-do' and positive attitude and is innovative and creative in searching for better ways to do things	X	
An ability to give instructions and relay complex information, to a non-technical audience	X	
Experience as working as part of a team with shared responsibilities and targets	X	
Hold a full clean UK/EU driving licence	X	
Hold an UK/EU Passport and/or have the rights to work in the UK/EU	X	
Configure, build and install computer hardware, software, systems, and networks for project related IT system applications.		X
Experience in working with Campbell Scientific hardware offering and communication protocols		X
Experience in planning and coordinating activities for others		X

[1]   Campbell Scientific utilise a range of bespoke programming tools and data acquisition systems. Training will be given in these systems.

Qualifications	Essential	Desirable
Formal education to a degree standard in either an engineering or computing field	X	
A programming qualification or demonstrable programming proficiency	X	
A formal project management qualification or be working towards one		X
French, German and\or Spanish language skills. Able to write and converse in the language as well as translate from and to English		X