

JOB DESCRIPTION – Generator Systems Controls Engineer

Job Title	Generator Controls Engineer
Date Reviewed	June 2021
Responsible To	Operations Director
Responsible For	None
Location	Office Based

Business Profile

ECS was established nearly 15 years ago to meet the increasingly complex and growing demand for well-engineered control systems. In that time the company has built a first-class reputation for delivering practical and efficient solutions for their clients; from conception through design, build, installation and commissioning of projects, both in the UK and Europe, and into the APAC and South America regions. Thanks to our commitment to quality, the majority of our clients, including world-leading pharmaceuticals, international shipping (and the UK's leading critical power systems supplier) return for support time and time again.

Role summary

As a Generator Controls Engineer with ECS you will take total responsibility for the implementation of a Successful Project to ensure it is delivered on time, within budget and meets the customer specifications and expectations.

The Generator Controls Engineer will need to be customer focused, self-motivated, comfortable in liaising with customers, suppliers and sub-contractors and used to working within tight deadlines, managing numerous projects running concurrently varying in value.

Responsibilities

1.	Development of engineering project documentation such as single line diagrams, system operating philosophy, schematic diagrams, bills of materials and test schedules including but not limited to SAT, FAT, and FDS
2.	Responsibility for budget control, managing labour and material acquisition to ensure a successful project delivery to client
3.	Responsible for correct selection and procurement of all components
4.	To design, develop and commission generator control systems
5.	Responsible for creation of electrical documentation including circuit diagrams, cable schedules, installation documents and bills of materials
6.	The commissioning of control systems, perform testing, carry out Factory Acceptance, and Site Acceptance testing
7.	Responsible for ensuring that the control systems are to budget and within timescales
8.	Responsible for writing & developing generator controller software
9.	Ensure delivery of ECS projects on time and in accordance with the technical requirements of the contract
10.	To be aware of the contractual requirements of all Projects, payment milestones and associated requirements, key dates, technical requirements for the scope of works, Health and Safety requirements

Person specification

Key skills and knowledge	Desired/Essential
In depth experience of working as a Controls or Commissioning Engineer power generator industry	Essential
Strong practical electrical/mechanical engineering qualification & knowledge with LV power generation and distribution systems	Essential
Experienced in using ComAP/DSE control systems	Essential
Strong PLC Programming skills	Desired
Highly experienced in multi set and synch with mains controls (including design, installation, and commissioning)	Essential
Excellent verbal and written communication skills	Essential
Experience in Microsoft Office applications	Desired
Required to occasionally work unsociable hours, weekends, nights, or public holidays, as is required from time to time within the Projects department	Essential
Hold a full valid driving licence	Essential
Ability to use technical documentation including the ability to read and amend electrical drawings	Essential
Ability to work as part of a team and on your own initiative	Essential