



Job Title: Electrical Design Engineer

Reports to: Manager

Location: Washington (NE10)

Eligibility: Must live and be eligible to work in the UK

Company:

Select Control Systems Ltd (SCS) specialises in electrical control panel design, build and test. Serving both local and multinational companies in food and beverage, oil and gas, energy, and machinery sectors. SCS's reputation for quality and efficiency makes us the go-to partner.

Due to increased work, sustainable growth, and forward planning of retirement, we are looking for an experienced Electrical Design Engineer, with industrial low voltage control system experience, who takes full ownership of their work and has immense pride in the quality of their output.

SCS has been trading for more than 20 years, building strong and enduring relationships with customers and suppliers. Employees are taken care of, and we promote a progressive professional development program.

To be successful, you will be adept with the designing and drafting of industrial electrical control systems – making customer requirements a reality. You will have a keen eye for detail and take pride in completing your work to a high standard.

Role:

At Select we require a control systems engineer/automation engineer, who can take a customer specification, from an email/enquiry/phone call through to a complete bill of materials and working diagrams for the production and testing of a control system.

A stable position within a key function of the business. Being the customer focal point for their project, taking it from concept to completion.

This role combines industrial electrical engineering, with control system design, with project management and would suit an experienced engineer who enjoys variety and can apply engineering principles to solve technical solutions.

- Permanent, full-time, day shift, factory/office based
- Core hours: Monday-Friday (37hr week) – 07:30-16:00 Mon-Thurs. 07:30-12:30 Friday
- Visiting customer premises at required (reviews, surveys, kick-off meetings etc.)



Person:

- Person of integrity who always does the right thing un-observed
- A natural problem solver
- Apply technical knowledge to solve problems
- Understands commercial aspects
- Committed and self-motivated
- Able to work to tight deadlines and can prioritise
- High quality expectations and likes things to be right
- Punctual, professional and a company ambassador
- Meticulous, diligent and detail oriented
- Confident and not afraid to take on challenges or ask questions
- Good communication skills at all levels – verbal and written – especially customer facing

Main Duties & Responsibilities:

- Correct interpretation of customer requirements/specification/designs/drawings – working with the customer to make their project a success
- Creation and issuing of quotes to customers – based on technical specifications
- Liaising with customers and being the point of contact for quotes and their projects
- Responsible and accountable for the correct and safe low voltage control system designs
- Responsible and accountable for specification and bill of materials management
- Drafting/drawing of engineering drawings (schematics, layouts, harnesses etc.)
- Creation and control of engineering documentation (calculations, assessments, manuals, specifications etc.), reports, technical documentation, and certifications (as required)
- Communicating and supporting with the wider teams for problem solving and projects
- Involvement in production meetings, commissioning assistance, site remote support
- Quality assure your work as you go
- Undertake site visits/inspections for projects/upgrades/modifications etc. as required
- Managing and prioritising own workload to meet deadlines and company requirements
- Responsible for keeping own knowledge and skills up to date and relevant
- Contribute to the continuous improvement cycle with your expertise and experience
- Following through on works to completion and not leaving loose-ends

Package:

- Competitive salary depending on experience (£35-50k)
- 26 days holiday annually
- Fully expensed travel
- Supported professional development
- Part of a growing group on an exciting journey to Champion & Support British Manufacturing
- Sick Pay

Experience & Qualifications:

- Essential
 - Working to a minimum of IEng level
 - Minimum of 5-years industrial electrical control system design
 - Minimum of 5-year industrial control panels – ideally heavy-industrial machinery
 - Minimum of 5-years with an electrical CAD package, drafting/drawing
 - Minimum of 3-years in a customer contact role
 - Minimum of 3-years producing quotes
 - Able to specify components to meet a design
 - Can read and interpret electrical schematics and diagrams
 - Can create technical and engineering documentation – technical writing
 - Machinery control system understanding and experience
 - Can work with wiremen, commissioning engineers, site engineers, management and the wider team
 - IT literate and can use MS365 suite such as Outlook, Word and Excel
 - Level 3 engineering or technical qualification or relevant experience
 - Appropriate engineering/electrical experience and training such as an apprenticeship or relevant experience
- Desirable/Advantageous
 - Professionally registered with the Engineering Council as IEng or CEng
 - PLC software experience (writing and commissioning)
 - Functional Safety experience/qualification/registration
 - Wiring or site installation experience
 - System or machinery commissioning experience
 - Site/machinery fault finding and control system diagnostics
 - Mechanical engineering understanding and appreciation
 - HNC/degree in Electrical Engineering or similar