

(Senior) Design Engineer (Electromechanical – Automation)

We are looking for a highly motivated, practical and proactive engineer who is able to communicate well at all levels and be customer focused and commercially aware. A suitable engineering qualification is required, HNC or better, together with the relevant experience required to deliver in a demanding environment with short delivery times.

To support our growing electrical power and automation design department we are looking for an electrical and control systems designer that can develop and draft electrical schematics and panel layouts from scratch, assist with production of project documentation and support the assembly, testing and commissioning stages.

The right candidate must have considerable experience in similar roles, being capable of working unsupervised and confidently across a wide range of equipment ranging from low power instrumentation to high power generation & distribution systems.

About LMC Ltd:

Lemsford Mill Controls is an established manufacturer of bespoke electrical control panels, with a history reaching back to the early 1960's, based in Hertfordshire. LMC offers a full turnkey operation from product conception through to volume production and post delivery service for many UK and global clients operating in markets such as BMS, refrigeration, entrapment panels, air conditioning, high mast lighting and automation.

Our Values:

- Fanatical support to our customers
- Work ethically and with integrity
- To work professionally and to the best of our ability
- To be reliable
- To be flexible and adaptable

About the Role:

- Full-time
- Will be based in our office in Welwyn Garden City
- Required to design, write and commission to production electromechanical trays for the refrigeration industry
- Knowledgeable on Programmable Logic Controllers (PLC) and Microcontrollers
- Most of the work will be in the refrigeration industry, with some work in other industry sectors

Responsibilities:

- Develop and deliver the company's design strategy
- Provide strategic advice to the General Manager
- Meet with end users to discuss their requirements and convert them to technical drawings
- Ensure the customer product specification is interpreted and executed correctly
- Manage and deliver designs as per client's specification and agreed budget

- Responsible for the design, support the implementation and manage the control of the design process to ensure that the design and procurement are delivered to meet requirements and in line with design and cost parameter
- Design administration management and documents control
- Creation of electrical schematics, single line diagrams, control panel design, machine wiring design, safety circuit design and testing work instructions.
- Creation of Bill of Materials
- Modular Panel design and manufacture
- Construction of Technical Manuals and other associated documentation for all aspects of the Control System
- Must have a good knowledge of AutoCAD Electrical packages and experience with the design and definition of Control Systems.
- Specifying/Selecting suitable equipment and parts for design
- Work with the procurement team to ensure the lead time is accounted in any project plan and manufacturing schedule for the business
- Liaise with Production and Quality Assurance in order to implement changes and upgrades
- Liaise with customers and suppliers as and when required.
- Experience on electrical and electronics design (PLC)
- Delivery through a full project life cycle
- Electrical control box build (prototyping)
- Conduct root cause investigations of faults in the field and creation of findings reports.

Requirements:

➤ **Essential:**

- Electrical Design Experience
- Design and implementation of automation systems
- Ability to commission and test control systems and software
- Computer, Control & Automation or Electrical Engineering degree or equivalent
- Knowledge and experience on PLCs
- An aptitude and willingness to learn new skills, technologies and methodologies
- Personable with good client facing skills, must be able to work as part of a team
- Self-motivating and capable of independent working
- Work to a project plan and deliver projects on time
- Willingness to travel locally and overseas to work at customer sites when required.

➤ **Desirable:**

- Full UK Driving license
- Experience with PLC simulation software
- Experience with PLC distributed control
- Knowledge on various networking systems such as Ethernet, ProfiNet, Profibus, CANOpen, DeviceNet
- Be able to fault find complex control systems both onsite and also offsite at the customers' facilities