



Lead Automation, Controls and Electrical Engineer

You will be joining J P Hildreth Ltd, a growing engineering consultancy, specialising in manufacturing technologies.

Salary: £55,000 – £65,000

Location: Bucks/Herts/Berks. Hybrid working home / office / client site.

You will be working as our Lead Automation, Controls and Electrical Engineer, with exposure to manufacturing environments, new techniques, constant variety and opportunities to learn.

You will be a key member in our client and internal project teams. This will include both leading projects, leading teams and supporting other relevant activities as they arise.

KEY RESPONSIBILITIES

- Provide technical expertise and leadership in Electrical, Automation and Instrumentation internally and with clients.
- Provide technical/functional input at all stages from concept through to in-service support.
- Be a visible and active leader in all aspects of safety whilst bringing your key skills and experience to Automations, Controls and Electrical Safety for the benefit of our team and our client's teams.
- Uphold the company's core values of Simplicity, Clarity and Integrity internally and with all client interactions.
- Be our SME (Subject Matter Expert) for the best practice, legislation and standards as relating to Automation, Controls and Electrical Engineering. Share this internally and update standards where applicable.
- Support Technical Innovations, including:
 - Developing concepts
 - Prototype and implementation
 - Interface with other functions

EXPERIENCE & QUALIFICATIONS REQUIRED

- Extensive experience in a relevant field of work (New product development/introduction).
- BSc, BEng, MSc, MEng in Electrical Engineering or other relevant field of study.
- Member of a professional institute/organisation.

SKILLS REQUIRED

Essential



- Able to evidence good theoretical knowledge and practical skills in the areas of Electrical, Automation, Controls and Instrumentation engineering.
- Be able to work and plan work for others at varying automation layer levels.
- Able to work closely and efficiently within a highly motivated multi-discipline team.
- Be comfortable to represent JP Hildreth with clients and suppliers in a professional and collaborative style.
- Able to communicate well with team members and peers and have a 'can do' attitude.
- Experience with the specification of electrical control panels for drives or motion control applications.
- Integration and commissioning of electrical power and control systems.
- Produce technical documentation to support designs.
- Specify electrical control panels and systems designs for subcontract design and manufacture.
- Experience with specifying actuators, servo drives and sensors.
- Strong knowledge of electrical power and control systems (3-Ph, 1-Ph, DC).
- Up to date knowledge of electrical and safety legislation and standards (Wiring regs BS7671). Knowledge of international equivalents would be beneficial.
- The ability to create, review and approve electrical drawings, diagrams and schematics.
- Flexibility to respond to changing business needs.
- Willingness to travel with good presentation skills.
- Great time management skills.
- Able to work as part of a team and individually.
- Proficient with Microsoft Office (Excel, OneNote, Outlook, Presentation, Teams & Word).

Desirable

- Experienced in simulator development or robotics.
- Experience in using AutoCAD or Eplan.
- Experience in using an electrical CAD software.
- Experience with Functional safety – EN 13849, EN 62061, EN 61508.
- Experience with PLC Programming (IEC 61131-3).
- Experience with specification Beckhoff control systems (TwinCAT and TwinSAFE).
- Good knowledge of EN60204-1, Low Voltage Directive and/or Machinery Directive.
- Experience with PUWER.
- Experience with taking part in Risk Assessments, or conducting FMEA.
- CE Marking of electrical equipment and machines.
- Project Management – MS Project, Wrike or similar – and a structured approach to project delivery.

About J P Hildreth Ltd

We are one of the UK's leading manufacturing consultancies and employ 40 engineers, technologists, and validation specialists. We work for major companies like Mars & GSK. We help define capital investment projects, deliver them and track benefits with certainty. Our engineers install and validate advanced manufacturing technology from around the world.



We are a positive, look-ahead, company. People like to work for us. We invest in training and development. We react swiftly to opportunities, make the most of good ideas, and play to people's strengths.

www.jphildreth.com

JP Hildreth has been established as an Employee Ownership Trust (EOT). This means that the business is owned by an independent trust which is tasked to act in the best interest of the employees.

There are many incredible benefits of this type of structure for both our employees and our customers. A few of the most significant employee benefits are listed below (subject to contract conditions):

- The long-term future and independence of JPH is secure.
- The structure demands an active employee representation and involvement through to the operating board.
- All employees are beneficiaries of the trust and business profits are re-invested and/or shared equitably among the employees (part of profit share payments are made free from income tax).

Ultimately, all of us employed here at JP Hildreth have an equitable stake in the future and success of the business. If this sounds like something you would love to be a part of then we would like to hear from you!

(You can find out more about the EOT philosophy and its practical impacts by following the link: <https://employeeownership.co.uk/>)