



Automation, Controls and Electrical Engineer

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

Salary: Dependent on experience.

Location: Plymouth area.

You will be working as an 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 and will support the Lead Automation, Controls and Electrical Engineer to deliver projects and support other relevant activities as they arise.

Key responsibilities

- Provide technical support in Electrical, Automation and Instrumentation internally and with clients.
- Provide technical/functional support at all stages from concept through to in-service support.
- Be active all aspects of health and safety and ensure health and safety compliance in our JPH team and our client's teams.
- Uphold the company's core values of Simplicity, Clarity and Integrity internally and with all client interactions.
- Support the Lead Automation, Controls & Electrical Engineer, and other Project Managers with Technical Innovations, including:
 - Developing concepts.
 - Prototype and implementation.
 - Interface with other functions.

Experience & Qualifications required

- Experience in a relevant field of work (New product development/introduction) or an electrical engineer with a desire to specialise in automation and controls.
- BSc, BEng, MSc, MEng in Electrical Engineering or other relevant field of study.

Skills required

Essential

- Able to evidence good theoretical knowledge and practical skills in the areas of Electrical, Automation, Controls and Instrumentation engineering.
- 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.
- 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.
- 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).
- 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

- The ability to create, review and approve electrical drawings, diagrams and schematics.
- Experience with specifying actuators, servo drives and sensors.
- Experience with the specification of electrical control panels for drives or motion control applications.
- 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 JP Hildreth Ltd

An inclusive environment:

At JP Hildreth we are committed to fostering an inclusive and diverse workplace where everyone feels valued and respected. We believe that a diverse team brings a wealth of perspectives and ideas, driving innovation and success. We welcome applications from individuals of all backgrounds, experiences and identities. Our hiring practices ensure fairness and equality, and we strive to create an environment where everyone can thrive and contribute to our mission of delivering manufacturing excellence.



Company values:

Our company is built on the principles of integrity, simplicity, and clarity. These core values shape our decisions, actions, and interactions with both our clients and each other.

- **Integrity:** We honour our commitments to ourselves and our clients whilst being ethical, transparent and trustworthy.
- **Simplicity:** We deliver simple, effective solutions that prioritise efficiency and accessibility for ourselves and our clients.
- **Clarity:** We use clear communication and actions which lead ourselves and our clients to visible success.

Employee owned:

JP Hildreth is an Employee Ownership Trust (EOT) which means that the business is owned by an independent trust tasked to act in the best interest of the employees. <https://employeeownership.co.uk> provides further information about the EOT philosophy and its practical impacts.

Exceptional benefits of this type of structure for both our employees and our clients include (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!