

Lead EC&I Engineer / Hardware

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Company: Morson Talent

Location: Stone

Category: architecture-and-engineering

Lead EC&I Engineer / Hardware

Energy

Permanent

Stone, Staffordshire plus Hybrid

Are you looking to join a successful and growing company? Morson Talent are working alongside their client to recruit a Permanent Lead EC&I Engineer. This opportunity offers Competitive salary, great benefits, a hybrid working model, pension, and career progression.

With a focus on operational technology and digital transformation, our client has been a leader in advanced system integration for decades optimising efficiency & delivering performance on a massive scale. Working in some of the most highly regulated and challenging industrial environments, they have delivered critical projects across energy, water, renewables and manufacturing.

We are looking for enthusiastic & experienced engineers to join the existing Energy team to perform all aspects of E,C & I design and implementation. The role includes designing electrical and control systems focused on PLC based control panels but including cabling, MCCs, Drives & Controls, Switchgear and related EC & I equipment primarily within the thermal and hydro power generation sector although work in other sectors may be undertaken.

The role will require the ability to undertake site surveys, develop electrical engineering solutions for cabling, undertake Control panel designs, prepare, review and check necessary calculations and designs when working with others whilst following Capula's procedures. The work will involve travel with the possibility of some short periods away at customer sites carrying out the surveys and designing solutions collaboratively with the customer.

This position would suit someone who has a good grounding in at least one of the following areas:-

Electrical Engineering,

Control Panel Design and Build,

E & I Installation,

and who enjoys working in an engineering environment, who is keen to become involved in all aspects of a project and is keen to learn and develop new skills as part of an experienced and committed team.

Summary of Role:

Lead and drive the project team

Review and approve designs developed by the team

Ensure compliance of the team to agreed procedures/methods and standards with engineering design responsibilities.

Interpret and verify customer supplied data, specifications and drawings.

Lead/Produce system designs from customer supplied information

Lead the Creation/modification of Design Packs including system drawings, general arrangements, schematics & wiring diagrams, site cable drawings etc.

Produce client design documentation and test documentation

Producing all necessary documentation to support the production of the systems such as FDS, Test Documentation, Manuals etc.

Lead site surveys and assist in the preparation of Health and Safety Documentation

Support Site acceptance testing/commissioning

Support the production of tender documents and cost estimates.

Essential Skills

Experience of/competent in control systems within the energy market (or similar utility)

Experience of/competent in field cabling systems (P, Inst, Contr and comms) including surveying and identifying routes, cable calculations for sizing and earthing/protection

Experience of/competent in control panel design incorporating PLC, I/O, Comms cards, UPS's etc

Educated to at least degree level in relevant subject or HND with additional experience of at least 5 years post graduate experience or 6 years post HND experience on successful project implementation in the above areas of expertise

Computer literate with Word, Autocad and Excel experience.

Methodical approach to the interpretation of customer requirements and delivery of project documentation

Understanding of Full Project Lifecycle.

Hold a current full driving licence (UK or be able to easily convert to full UK)

Must be willing to go for a basic disclosure Scotland check.

Desirable Skills

Preference will be given to those candidates demonstrating some or all of the following:-

Experienced in at least one of the following

Rockwell (Control Logix)

Siemens (PC7S, TIA Portal)

Schneider (M580, M340)

Site Installation and Commissioning experience of control systems.

Experience of Motor Control Centres – Specification, procurement, installation etc

Good understanding of BS7671 IEE 18th Edition Wiring Regs

Awareness of /understanding of DSEAR Regulations and Hazardous area applications.

Awareness of /understanding of Functional Safety (IEC 61508/61511)

Ability to work to deadlines and budgets.

Familiarity with Databases

Personal Qualities

Natural Leader

Ability to Lead/work as part of a team.

Ability to work well under pressure and to deadlines and to motivate others to achieve the same.

Have excellent communication skills.

Be flexible in their methods of working.

In return our client offers the following benefits to permanent employees

25 days holiday plus bank holidays

Flexible working

Pension

Life assurance policy

Private health care

Lifestyle screening

Salary sacrifice programme

Mental health assistance programme

Cycle to work scheme

Green car scheme

Support in achieving professional engineer status (IEng, CEng) and professional memberships fees covered

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