
JOB ADVERT

Lead Electrical, Control & Instrumentation (EC&I) Engineer

£55,000 to £65,000 – Dependent on Experience

Knutsford, Cheshire

Due to a significant pipeline of technically innovative multimillion pound environmental and energy projects, Stopford have an opportunity for a Lead EC&I Engineer to join the team to work with highly skilled professionals who are constantly striving to deliver excellence and best practice.

The Role

You will be working on a wide range of projects in the environmental and energy sectors ranging from water industry to waste to energy plants, biomass and plastic recycling facilities, new waste gasification technology and also supporting the development of our own cutting edge sustainable, low carbon technologies to name a few.

Reporting to the Projects Group Director, the successful candidate will be responsible for the management, supervision and oversight of the in-house E,C&I engineers, coordinating their workload across a portfolio of projects, checking and approving as required and also managing any sub-contracted packages, eg HV design or specialist detailed design to ensure consistent quality output.

The role will also require production and/or approval of all EC&I deliverables including, but not limited to, Specifications and Scopes of Work for installation contractors and equipment suppliers, design work packages including Control Architecture Diagrams, Instrument Loop diagrams, Motor Schematics, Cable Block Diagrams, Cable Routing/Layouts, Instrument and Electrical Schedules, Lighting Specifications & layouts, MCC Design Specifications and MCC/Control room layouts.

Direct input or oversight of onsite construction and commissioning support may be required depending on the project.

Support to the business development team will also be a regular duty of the role, providing budget hours and equipment estimates, inputting to written proposals and at times liaising with potential clients.

You will be based at our office in Knutsford with the opportunity for hybrid working. There may be occasional travel required to other offices and client offices. This is a full-time permanent position.

Key Responsibilities include:

- Building, Managing and Developing a team of EC&I engineers and designers.
- Ensuring the EC&I Deliverables produced by the Projects Group are to the correct quality, standard and budget.
- Participation in Project Design Reviews and Risk Assessments.
- Support the Projects Group Lead in reviewing and developing strategic planning and proposing new business opportunities.
- Supporting preparation of proposals including deliverable lists and CTR budget estimates
- Proactively engage with customers internally and externally, developing and maintaining strong, positive business relationships.

About you

- Ideally educated to a degree level and a Chartered Engineer or working towards Chartership.
- Have experience in the petrochemicals or renewable energy industries.
- Have experience of working in a design and engineering environment across electrical, control and instrumentation.
- Knowledge of DSEAR/ATEX, hazardous area classification equipment/design and CompEx requirements.
- Able to perform accurate design calculations and complete cost estimates.
- An ability to think strategically and develop long range plans, understanding the implication of changes to contract scope.
- An ability to work collaboratively with all engineering design and construction disciplines.
- Experience of managing and building a team of engineers and designers.
- Knowledge and Experience of Designer and Principal Designer Roles under CDM.

The Company

Stopford is an international energy and environmental engineering company, our professional services span Technology and Innovation, Consultancy and Project Delivery. We are an industry leader with a portfolio spanning research and development through to design and commissioning of process, power, and renewables technology. With a worldwide clientele in emerging and existing industries, we provide a full range of project management and engineering services.

Employment at Stopford brings many benefits including:

- Competitive salary
- Profit related bonus payment (10%)
- Pension (5% employer and 5% employee)
- 25 days holiday plus bank holidays
- Additional day off to celebrate your Birthday
- Private medical insurance
- Employee assistance programme
- Free on-site parking
- Reimbursement of professional membership fees
- Long service awards

Please go to our website for a full job description to familiarise yourself with all of the responsibilities, skills and experience required before you apply.

Please note that we do not accept applications from agencies, and you must be eligible to live and work in the UK.

We look forward to receiving your CV for the post of Lead EC&I Engineer.

Closing date: 31 October 2023

Stopford reserves the right to bring forward the closing date if we receive a suitable number of quality applications from which to make a shortlist. Therefore, we would recommend that you apply as soon as possible.

Please note that due to the volume of applications we receive we are unfortunately not able to respond to each applicant. If you have not been called for interview within 3 weeks of the closing date, you should assume that on this occasion your application has been unsuccessful.

Job Description

Position:	Lead Electrical, Controls and Instrumentation (EC&I) Engineer
Group:	Projects
Location:	Mere Hall Farm Business Centre, Bucklow Hill, Mere, Knutsford, Cheshire WA16 6LE

Ambition

Our ambition is to lead the way in engineering a sustainable world through the transition to a low carbon economy.

Values

Our values guide the way we carry out our everyday activities to achieve our ambition:

- Responsibility – Committed to ethical and responsible actions
- Innovation – Innovation to create sustainable value
- Unrivalled expertise – Delivering a world class service
- Inclusivity – Working together with mutual respect
- Sustainability – Awareness at every opportunity

Description

The Lead EC&I engineer will be responsible for:

- Building, managing and developing a team of EC&I engineers and designers.
- Preparing, checking and approving specifications and Scopes of Work for installation contractors and equipment suppliers.
- Preparing, checking and approving design work packages including:
 - Control Architecture Diagrams, Instrument Loop diagrams, Motor Schematics, Cable Block Diagrams, Cable Routing/Layouts, Instrument and Electrical Schedules, Lighting Specifications and layouts, MCC Design Specifications and MCC/Control room layouts and any other EC&I engineer deliverables required for the successful delivery of our projects.
- Direct input or oversight of onsite construction and commissioning support, depending on the project.
- Supporting new proposals and business development

Key Accountabilities/Responsibilities

- Building, Managing and Developing a team of EC&I engineers and designers.
- Ensuring the EC&I deliverables produced by the Projects Group are to the correct quality, standard and budget.
- Participation in Project Design Reviews and Risk Assessments.
- Reviewing and developing strategic planning and proposing new business opportunities.
- Supporting preparation of proposals including deliverable lists and CTR budget estimates
- Proactively engage with customers internally and externally, developing and maintaining strong, positive business relationships.
- Creation of project documentation (specifications, control philosophy, cause and effect, alarm lists, inspection and test plans).
- Input to Design Reviews and Risk Assessments.
- Some occasional travel to Supplier FAT's and construction sites may be required.

Requirements – Education and Experience

- Ideally educated to a degree level, in Electrical, Control or Instrumentation Engineering or an associated discipline.
- Have experience in the petrochemicals, Chemicals or renewable energy industries.
- Have experience of managing in a design and engineering environment across electrical, control and instrumentation.
- Experience producing and checking E,C&I deliverables Scopes of Work, Specifications, Schedules, Single Line Diagrams, Block Cable Diagrams, URS and FDS.
- Experience managing 3rd Party design consultants and suppliers.
- Knowledge of working with LV distribution, Control systems, Networks and Architecture.
- Knowledge of working with 3Ph Motors, Drives and MCC panels.
- Experience using 2D AutoCAD package.
- Knowledge of DSEAR/ATEX, hazardous area classification equipment/design.
- Able to perform accurate design calculations and complete hour and cost estimates.
- An ability to think strategically and understanding the implication of changes to contract scope.
- An ability to work collaboratively with all engineering design and construction disciplines.
- Understanding of Designer and Principal Designer Roles under CDM.
- Experience in the use of AMTECH or ETAP engineering and design software is beneficial.
- Ideally have an awareness of High Voltage design and engineering.
- Experienced in safety systems design and validation (BS EN 61508 and BS EN 61511) would be an advantage.

Company Wide Aspects

- Adhere to Stopford's Business Management System.
- Promote and manage Performance Development

Review

The above is not an exhaustive list of duties and you will be expected to perform different tasks as necessitated by your role within the organisation and the overall business objectives of the organisation.