
JOB ADVERT

Electrical Engineer

Competitive Salary

Knutsford, Cheshire (with hybrid working)

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

The Role of Electrical Engineer

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.

As an Electrical Engineer with LV & HV experience for project consultants for FEED, detail design and construction coordination. Experience with new connection application with DNO and liaison for general and demand. Experience of design work packages, direct input or oversight of onsite construction and commissioning support (depending on the project) and scopes of work for vendors, equipment suppliers and installation contractors.

You will report to the Lead EC&I Engineer / Projects Engineering Manager and will work closely with multiple engineering disciplines, designers and draughtpersons within the projects group in delivering assigned tasks.

This is a full-time, permanent position based in our offices in Knutsford. There is the opportunity for Hybrid working.

Key Responsibilities include:

- Ensuring the Electrical Deliverables produced as per Stopford's quality management system and procedure.
- Creation of project documentation (specifications, schedules, calculations, inspection and test plans).
- Technical input when checking documents, schedules, or drawings etc.
- Producing & Checking test documents, equipment procedure & technical assessments.
- Assist the EC&I Lead with project deliverables and take ownership of assigned activities.
- Proactive stakeholder engagement, developing and maintaining strong, positive business relationships.

About you

- Ideally educated to a degree level, with a minimum of degree in Electrical Engineering.
- Member of IET or similar.
- Have experience working for petrochemicals, Chemicals, or renewable energy industries.
- Have experience of working in a design and engineering environment across electrical discipline.

- Experience of co-working with control and instrumentation engineers/designers.
- Knowledge of EPC / EPCM working structure.
- Ability to Develop Scopes of Work, Method Statements, Schedules, Single Line Diagrams, Block Cable Diagrams, Risk Assessments, Technical Files.
- Experience in the use of AMTECH or ETAP engineering and design software is beneficial.
- Knowledge of LV distribution, switchgear, Transformers, panel build/design.
- Knowledge of working with 3Ph Motors, Drives and MCC panels.
- Knowledge of High Voltage design, distribution, engineering (Typically 11 kV but also some 33 kV interfaces).
- Experience using 2D AutoCAD package beneficial.
- Understanding of DSEAR/ATEX, hazardous area classification equipment/design.
- Able to perform accurate design calculations and complete cost estimates.
- Working knowledge of BS7671, Electricity at work regulation.
- 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.

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 Electrical Engineer.

Closing date: 19 July 2024

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: Electrical Engineer
Group: Projects
Location: 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

Electrical Engineer with LV & HV experience for Project consultants for FEED, Detail Design and Construction coordination. Shall be competent to work on own merit and take initiative.

- Experience with new connection application with DNO & liaison for generation and demand.
- Design work packages including:
 - Electrical Specifications, Datasheets.
 - Knowledge of Switchgear, Switchboards, transformers, and interface with Plant DCS.
 - LV distribution, Electrical fault analysis, Electrical Single Line Diagrams, Motor Schematics, Electrical Block Cable Diagrams, Cable Routing/Layouts, Electrical Schedules, Lighting Specifications, and layouts, MCC Design Specifications and MCC/Control room layouts BS EN 61439/BS EN 60947.
 - BS 7671 IET Wiring Regulations.
 - BS 7430 Earthing requirements.
 - Knowledge of Solar PV, CHP, Emergency Generators interface with plant.
- Direct input or oversight of onsite construction and commissioning support, depending on the project.
- Scopes of Work for vendors, equipment suppliers and installation contractors.

Reporting to the Projects Engineering Manager/Lead EC&I engineer, you will liaise closely with multiple engineering disciplines, designers and draughtspersons within the projects group in delivering assigned tasks.

Key Accountabilities/Responsibilities

- Ensuring the Electrical Deliverables produced as per Stopford's quality management system and procedure.
- Creation of project documentation (specifications, schedules, calculations, inspection and test plans).
- Technical input when checking documents, schedules, or drawings etc.
- Producing & Checking test documents, equipment procedure & technical assessments.

- Assist the EC&I Lead with project deliverables and take ownership of assigned activities.
- Proactive stakeholder engagement, developing and maintaining strong, positive business relationships.

Minimum Requirements – Education and Experience

- Ideally educated to a degree level, with a minimum of degree in Electrical Engineering.
- Member of IET or similar.
- Have experience working for petrochemicals, Chemicals, or renewable energy industries.
- Have experience of working in a design and engineering environment across electrical discipline.
- Experience of co-working with control and instrumentation engineers/designers.
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- Ability to Develop Scopes of Work, Method Statements, Schedules, Single Line Diagrams, Block Cable Diagrams, Risk Assessments, Technical Files.
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Company Wide Aspects

- Adhere to Stopford's Business Management System.
- Align with and promote Company Values and Vision

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.