
JOB ADVERT

EC&I Designer

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 EC&I Designer

Reporting to the Lead EC&I (Electrical, Control and Instrumentation) Engineer, the EC&I Designer will be responsible for liaising closely with multiple engineering disciplines, designers and draughtspersons within the projects group in delivering assigned tasks. The EC&I Designer will be experienced in FEED, detail design and construction support.

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:

- Ensuring the Electrical, Control & Instrumentation Deliverables produced as per Stopford's quality management system and procedure.
- Creating Block Cable Diagrams.
- Developing Single Line Diagrams.
- Designing instrument loops and hook-ups.
- Generating Termination Drawings.
- Creating Control System Sequence Drawings.
- Producing General Arrangements and layout drawings.
- Designing Electrical Power Distribution.
- Developing Control Systems.
- Inputting to P&ID's and EC&I Schedules (Cable, Instrument, JB, Equipment etc)
- Reviewing and validating drawings and documents.
- Addressing EMC Considerations (e.g., cable segregation, Faraday principle).
- Collaborating with other engineering disciplines.

Knowledge, skills and experience required:-

In order to be successful in this position, you must be able to demonstrate the following:-

- Qualification in Instrument, Electrical or Electronic Engineering, with design delivery experience.
- Excellent working knowledge of 2D AutoCAD.
- Have experience working for petrochemicals, Chemicals, or energy industries.
- Have experience of working in a design and engineering environment.
- Experience of co-working with different discipline designers and engineers.
- Ability to deliver to relevant standards, codes and regulations.
- Working knowledge of BS7671, Electricity at work regulation.

- Experience of space management, cable routing and cable management.
- Demonstrate excellent written and verbal communication skills.
- Experience with the design of a broad range of EC&I building services, including HV and LV electrical distribution.
- 3D AutoCAD / Plant 3D knowledge would be beneficial
- Must be eligible to live and work in the UK.

Security Clearance

The successful candidate must be able to achieve and maintain security clearance of at least Security Check level (SC clearance) for this role.

The Company

Founded in 1982, Stopford is an international multi-disciplinary consultancy, engineering design and project management services company. We are an industry leader with a portfolio spanning research and development through to design and commissioning of process plant. With a worldwide clientele in emerging and existing industries in the Clean Energy Sector. Our ambition is to lead the way in engineering a sustainable world through the transition to a low carbon economy.

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 with no restrictions.

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

Closing date: 21 September 2025

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: EC&I Designer

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

A CAD Technician / Designer with EC&I projects experience in FEED, Detail Design and Construction support. The candidate should be competent to work on own merit and take initiative once requirements outlined by Lead Engineer.

Reporting to the 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, Control & Instrumentation Deliverables produced as per Stopford's quality management system and procedure.
- Creating Block Cable Diagrams.
- Developing Single Line Diagrams.
- Designing instrument loops and hook-ups.
- Generating Termination Drawings.
- Creating Control System Sequence Drawings.
- Producing General Arrangements and layout drawings.
- Designing Electrical Power Distribution.
- Developing Control Systems.
- Inputting to P&ID's and EC&I Schedules (Cable, Instrument, JB, Equipment etc)
- Reviewing and validating drawings and documents.
- Addressing EMC Considerations (e.g., cable segregation, Faraday principle).
- Collaborating with other engineering disciplines.

Minimum Requirements – Education and Experience

- Qualification in Instrument, Electrical or Electronic Engineering, with design delivery experience.
- Excellent working knowledge of 2D AutoCAD.
- Have experience working for petrochemicals, Chemicals, or energy industries.
- Have experience of working in a design and engineering environment.

- Experience of co-working with different discipline designers and engineers.
- Ability to deliver to relevant standards, codes and regulations.
- Working knowledge of BS7671, Electricity at work regulation.
- Experience of space management, cable routing and cable management.
- Demonstrate excellent written and verbal communication skills.
- Experience with the design of a broad range of EC&I building services, including HV and LV electrical distribution.
- 3D AutoCAD / Plant 3D knowledge would be beneficial.
- Must be eligible to live and work in the UK.

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.