

TRANSMISSION DESIGN ENGINEER ROLE SPECIFICATION



BACKGROUND

The Customer Delivery Directorate is responsible for the delivery of NIE Network's Capital Investment Programme and Customer Connections. It is also responsible for the maintenance of NIE Networks existing Substation and Overhead Line Assets and responding to fault and emergency situations.

The Primary Plant & Protection Design Department plays a key role in the design of transmission and distribution substation projects to support the delivery of the NIE Network's Capital Investment Programme and major Customer Connections.

An opportunity has arisen for a Transmission Design Engineer to produce designs and cost estimates for transmission substation projects.

THE ROLE

Based at our Dargan office in Belfast the successful candidate will report to the Primary Plant & Protection Design Manager. The successful candidate will initially be attached to the Transmission plant & protection section but may be required to work in Distribution plant & protection depending on workload of the department. The successful candidate will also be required to assist with the scoping and planning aspects of electricity infrastructure projects.

MAIN DUTIES & RESPONSIBILITIES

- Responsible for delivering detailed designs of substation primary, protection, control and auxiliary systems in association with CAD technicians.
- Responsible for compiling project design files including all the necessary electrical drawings (Layouts & Elevations, Single Line Diagrams (SLDs), Schedules, schematics & wiring diagrams)
- Perform the duties of Designer and/or Principle Designer under CDM Regulations (2016).
- Responsible for providing project cost estimates to assist with connection offers and obtaining financial approvals. This includes obtaining specialist costs from other Design Engineers, Construction staff and external suppliers/contractors as required.
- Be responsible for issuing requisitions for project equipment.
- Provide technical support to other areas of the business e.g.undertaking technical assessments, peer review & participating in factory acceptance testing (FAT).

THE INDIVIDUAL

Essential Criteria

It is **essential** that the successful candidate meets the following requirements:

- A minimum HNC/Degree or equivalent in Electrical Engineering or related discipline.
- Minimum 5 years' experience in design or commissioning of complex electrical control circuits and schemes.
- A developed knowledge of power engineering principles.
- A practical knowledge of large-scale electrical construction or refurbishment projects and their end to end processes.
- Sound IT skills including working knowledge of Microsoft Office systems.
- Current driving licence.

Desirable Criteria

Ideally you should also possess (in order of preference):

- Previous experience designing or commissioning substation protection & control schemes.
- A developed knowledge of transmission substation HV plant, equipment and clearances.
- Previous experience of CDM (NI) roles & duties.
- An understanding of logic programming of protection relays or PLCs.

- A working knowledge of NIE Networks (or similar high voltage) safety rules.

CORE COMPETENCIES

The person appointed must demonstrate the following core competencies:

Communication

Able to communicate information and ideas clearly and articulately both in oral and written form. Uses appropriate language, style and methods depending on audience and the purpose of communication. Able to convey complex information clearly. Anticipates the information that others will need.

Flexibility / Adaptability

Has actively sought to learn new things on own initiative. Has responded positively to change and adapted to new situations quickly. Able to take on a diverse range of tasks equally effectively.

Attention to Detail

Ability to process detailed information effectively and consistently. The ability to accomplish/complete a task while demonstrating a thorough concern for all the areas involved, no matter how small. This means monitoring and checking work or information, while organising time and resources efficiently.

Analysis / Problem solving

Able to identify and separate out the key components of problems and situations. Able to manipulate and interpret information from a range of sources, to spot patterns and trends in information and to deduce cause and effect from this. Can generate a range of creative solutions, evaluate them and choose the most appropriate option

Organised

Able to achieve results in a quality, timely, and cost-effective way. Sees priorities, plans the efficient use of resources, and monitors progress against objectives. Anticipates crucial stages in projects. Formulates alternative means of achieving objectives. Responds effectively to unforeseen events.

Team Work

Actively participates in team. Encourages co-operation. Aware of the needs of others and responds flexibly. Shares information and supports other team members. Can get things done through others and set realistic objectives. Seeks opportunities to develop others. Prioritises team goals over individual goals.

Conflict Resolution

The ability to handle conflicting interests diplomatically and to help solve them

Accountability

Being accountable and passing on accountability for one's own actions and those of colleagues and the organisation

Initiative

The ability to recognise and create opportunities and to act accordingly.

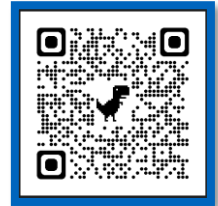
ADDITIONAL INFORMATION

The nature of the job demands that the post holder will be expected to travel from time to time. The successful candidate must therefore have the use of a vehicle. Company mileage will be paid at an appropriate rate.

THE PACKAGE

The competitive remuneration package for this position will be based on the skills and experience of the successful candidate, with progression opportunities.

The company also offers many other [benefits](#). (The QR code will take you to the benefits section of our website)



OUR PEOPLE MATTER

At NIE Networks we realise our employees are at the heart of our success and they are the future of an ever-changing energy industry. With employee wellbeing at the core of our approach, we are continually investing in our people and are committed to helping every individual reach their full potential through both professional and personal development. We believe in nurturing effective teams and high performing leaders to deliver the best possible service for our customers.

DISABILITY

NIE Networks will provide reasonable support to disabled applicants throughout the recruitment process. Applicants who may require special arrangements should identify this clearly within their application form to enable us to make any appropriate adjustments.

DIVERSITY AND INCLUSION

NIE Networks has achieved Silver, Diversity Mark Accreditation and is committed to equality of opportunity and acknowledges the unique contribution that all potential candidates can bring in terms of their education, ethnicity, race, gender, nationality, age, religion, disability, sexual orientation and opinions. Applications are positively welcomed from all backgrounds and appointments are made on merit following a fair, open and transparent selection process.

HOW TO APPLY

Please submit a [CV](#) and completed [Criteria Form](#) together (detailing alignment to the essential and any applicable desirable criteria) via the NIE Networks recruitment portal www.nienetworks.co.uk/jobs (The best experience of this portal will be through the [Google Chrome](#) internet browser or click on the QR code.)



- Once you are in the careers page select the Transmission Design Engineer role and click on “**Apply Now**”.
- You will initially be asked to create a “Candidate Area” by inputting your email address and a secure password – once you select “Create Candidate Area” you can then log in directly using these same details. The address that you register with will be the address that we contact you on.
- Select “**Apply for Vacancy**”
- Once you have created your profile you should download and complete the **criteria form** and **CV** within your application. When completing this it is important that you clearly demonstrate using examples how you meet the required criteria as this information will be used for short-listing purposes. Desirable criteria may also be used for shortlisting purposes.
- Upload both your CV and criteria form within your application.
- Please ensure to review your application before submission as you will not have the opportunity to amend the documents once they have been submitted.
- You will receive an email confirmation once your CV and criteria form has been submitted (Please check your junk mail too).
- Late applications will not be accepted

Completed applications must be submitted no later than **11pm on Sunday 22 September 2024.**

NIE Networks is committed to the principles of public appointments based on merit with independent assessment, openness and transparency of process

FOR YOUR INFORMATION

If you would like to view up to date information about NIE Networks please visit our website www.nienetworks.co.uk or scan the QR codes below.

About NIE Networks



About NIE Networks History



Or alternatively check out our social media platforms via the links provided on each graphic below.

