

JOB TITLE:	Design Engineer
REPORTING TO:	Senior Design Engineer
DIRECT REPORTS:	N/A
JOB LOCATION:	Woolpit, Bury St Edmunds – Hybrid working
JOB PURPOSE:	Provide electrical design & technical support to the business and its partners, largely in relation to new connection works from GTC network and assessment of new LCT (Low Carbon Technology) connections on existing supplies.

Responsibilities

- Undertake Network demand calculations and design Points of Connection (POCs) from existing electric networks to provide technical solutions and quotations for 3rd party POC Applications.
- Undertake Network export calculations for modelling of embedded generation applications on existing electric networks to assess and approve embedded generation applications in line with ENA ER G98 & G99 as well as relevant Company Standards.
- Undertake Network modelling where required for reinforcement designs, including where requirements to incorporate emerging technology.
- Liaise with Distribution Network Operators (DNOs), including other Independents, Independent Connection Providers (ICPs) and other departments on all aspects of design.
- Liaise with other departments to progress the design, construction and records process for accepted projects.
- Implement and develop processes to internally communicate any technical and maintenance requirements for accepted projects.
- Develop and use systems and databases to manage customer requirements to facilitate all aspects of DNO and ICP relations.
- Approval of peer designs as required under authorisation limits.
- Provide accurate quality work within department and company.
- Maintain a helpful and informative work environment.
- Assist the Senior Design Engineer in the development of greater efficiency within the company.
- Ensure that all relevant information is recorded accurately and submitted on time.
- Any other duties as required by the manager.

Person Specification

Criteria	Essential	Desirable
QUALIFICATIONS	<p>A Technical qualification in an engineering subject at either Level 2 City & Guild or equivalent</p> <p>Have membership at a recognised engineering institution, e.g. IET</p>	<p>An Engineer Degree or equivalent</p> <p>Current CSCS card</p>
EXPERIENCE/ KNOWLEDGE	<p>At least one year experience in designing electricity distribution networks.</p> <p>Knowledge of health and safety legislation</p> <p>Be familiar with current Legislation, Electrical Standards & Specifications and ENA Recommendations relating to GTC electrical networks and be aware of the implications to the safe management of electrical networks based on these procedures.</p>	<p>Two or more years experience in designing electricity distribution networks.</p>
ABILITIES/SKILLS	<p>Excellent verbal communication skills</p>	<p>Ability to use Microsoft Office programmes or equivalent</p> <p>Ability to use network design software, e.g. WinDebut</p>
COMPETENCIES	<p>Customer focus - Meets customer's needs; is committed to putting customers first; takes responsibility for delivering customer satisfaction; develops productive customer relationships and customer loyalty; delivers a consistently high-quality service to external and internal customers.</p> <p>Innovation & Change - Creating new and imaginative approaches to work, demonstrating a willingness to question the way things are done, planning and delivering change. The ability to respond & adapt to changing circumstances and to manage, solve problems and provide solutions in a climate of ambiguity.</p>	
EMPLOYEE LEVEL	<p>Team member (non-managerial)</p>	

