

Job Description

1. The Position	
Position	Grid Compliance Engineer
Company information	<p>Welsh Power Group Limited is an employee-owned entrepreneurial energy business. The company's focus is on providing flexible generation and grid stability services to support the UK energy sector's transition to net zero.</p> <p>Welsh Power has developed and built 27 separate power assets in the last 6 years and operates a portfolio of over 650MW's of flexible generation on behalf of several investors as well as one of the first dedicated grid stability facilities in the UK. Welsh Power is currently managing the construction of five large grid stability projects for National Grid ESO, as part of Phases 2 and 3 of its Stability Pathfinder programme and before the end of 2024 will begin construction of what will be the world's largest grid stability project.</p> <p>Welsh Power is not an asset owner but develops, constructs, and operates power assets on behalf of financial investors. Within the sector this makes Welsh Power unique.</p>
Company Values	<ul style="list-style-type: none"> • Trust - Demonstrating integrity, commitment, loyalty, honesty and fairness. • Resilience - Demonstrate an ability to manage and take challenging situations in our stride and come out stronger. • Excellence - To aim for and demonstrate excellence whether this is personal, professional or technical in all we do for the organisation. • Enthusiasm - Demonstrate passion for and an eagerness in the development of the organisation. • Safety - To be committed to ensuring Welsh Power and all those associated with Welsh Power operate safely.
Position Summary	<p>As a Grid Compliance Engineer, you will primarily be responsible for successful delivery of grid connections for new grid stability facility projects across the UK.</p> <p>This responsibility will span through all stages of project delivery with a focus on the design, construction, commissioning and testing stages of project delivery as well as the transition into the facilities becoming operational assets.</p> <p>A major focus of this role is to successfully manage the Grid Code/G99 compliance process with NGENSO and the transmission and distribution operators, for timely attainment of EON, ION and FON.</p> <p>This is a key role to help Welsh Power grow and maintain its position as leading developer and operator in the UK power sector.</p>
How to Apply?	Please send a CV to: careers@welshpower.com
Manager	The successful candidate will report to the Senior Electrical Specialist .

Key Responsibilities

The **Grid Compliance Engineer** will undertake various tasks, with the primary focus being on:

- **successful delivery of the EHV (i.e. 275kV, 400kV) grid connection** with the Project Managers for new grid stability facility projects across the UK overseeing the design, construction, energisation, commissioning, and testing stages of project delivery and into the facilities becoming operational assets.
- **successful management of the entire grid code or G99 compliance process** with NGENSO, the transmission and distribution operators, and the project supply chain, for timely attainment of **EON, ION, and FON**. This will include managing the completion of the UDFS, compliance statements and the pathfinder checklist particularly for NGENSO, completion of all ENA forms necessary for G99 compliance, arranging and witnessing compliance testing, and managing all compliance and commissioning panel meetings with NGENSO and the transmission operators.
- ensuring the above are delivered **in accordance with the main project objectives** i.e. to deliver each project: safely; to the desired quality; on time; on budget; in compliance with relevant legislation; and to maximise opportunities for eliminating hazards.
- reviewing all **electrical design studies, connection studies, compliance studies and connection interface documentation** prior to submission to the transmission and distribution operator(s) and NGENSO, ensuring compliance with the GB Grid Code, technical specifications, and the relevant UK legislation and standards.

Other areas of responsibility will include but not be limited to:

- **Technical** implementation of **connection offers and agreements** with the transmission and distribution operators.
- Establishing **metering requirements**, design interfaces, and approval processes through system registration and metering operator appointment. Ensuring registration and accreditation with regulatory bodies such as Ofgem, NGENSO and Elexon etc and supporting the Project Managers through the system registration and metering operator appointment process.
- Reviewing and writing the **electrical aspects of the technical specifications and interface schedules** for the projects.
- Offering **technical guidance and problem-solving support** to the Project Managers for all design interfaces with NGENSO and the transmission and distribution operators, for the Balancing Mechanism, and Grid Code processes as well as for specialised interfaces including control & protection, SCADA, and communication architecture.
- Responsibility for answering **Technical Queries**. Helping stakeholders understand the technical requirements of NGENSO, the transmission and distribution operators and communication within.
- Attend **project, supplier, and Grid meetings** virtually and in person as required. May include factory acceptance tests (internationally), site progress meetings, project progress meetings, connection contract, pre-commissioning, and commissioning meetings.
- **Reporting** to the Project Delivery teams on grid compliance progress, programme, risks, and issues, and proposing solutions to avoid or minimise and overcome key risks and issues.

This list of duties may be subject to change to meet the future requirements of the business, and therefore the above list is neither exclusive nor exhaustive.

2. Person Specification

Knowledge, Skills, Attributes and Qualifications

Essential Knowledge, Skills, Attributes and Qualifications:

- a **highly organised and proactive professional** with a proven track record of delivering GB Grid Code or G99 compliance (i.e. 275kV or 400kV connections) within the **construction and power sectors**.
- **2 - 5 years' relevant experience** working within the **development and/or construction project environment** and within the **power sector**.
- Experience in power system analysis, RMS and EMT modelling, protection etc.
- Good working knowledge and understanding of GB Grid Codes, NGTS, IEC technical regulations and standards.
- BEng/MEng or MSc **degree** in an **Electrical Power Engineering**.
- highly computer literate; proficiency in **Office 365** including, but not limited to; Word, Excel, Outlook, Teams, and Project.
- excellent **verbal, written and presentation communication** skills.
- high level of **organizational skills** and attention to detail.
- **team player** who works effectively and efficiently as part of a multi-disciplined project delivery team
- ability to **self-motivate** and effectively manage own workload and to **prioritise tasks** appropriately, and is **tenacious** and persistent in overcoming challenges.
- a **flexible and committed** approach to work and must be effective working remotely and often without supervision.
- always demonstrates a professional approach and attitude.
- natural curiosity and a willingness to investigate and solve problems proactively and an ability to quickly assimilate information from different sources.
- fully **open and transparent** in communication, and not afraid to admit mistakes or personal limitations to colleagues and peers. It is essential that the candidate adheres to the principal of not hiding anything, and reporting mistakes and potential risks immediately. Welsh Power do not judge, but we need to be made aware of challenges/issues straight away so we can work together quickly to overcome them.
- enthusiastic about the electricity system, power sector, with a passion for contributing to the UK energy sector's transition to **net zero**.
- full clean **driving license**.

Preferred Knowledge, Skills, Attributes and Qualifications:

- **membership of a professional engineering institution** (such as IEEE, IET etc).
- awareness and understanding of **electrical modelling softwares** such as PSCAD, Powerfactory.

Special Features	<p>The role is fairly flexible in terms of location, involving a combination of regular site visits to the grid connections that the candidate will manage (around the UK), and regular visits to our Cardiff City Centre office when required, as well as working from home.</p> <p>Whilst the position is full-time with a standard 37.5 hour working week (excluding hour breaks for lunch each day), the role is results focused, and the candidate will be expected to manage their time accordingly.</p>
What We Offer	<ul style="list-style-type: none"> • The position is full-time with a standard 37.5 hour working week (excluding lunch). • To be part of an exciting, innovative, passionate, and entrepreneurial team environment at the cutting edge of new energy developments and innovations. • Competitive salary, bonus and benefits package, including eligibility for a tax-free employee dividend. • Automatic participation in an employee-owned business structure, with the positive working culture and financial benefits that this affords. • 25 days of annual leave plus bank holidays (can be up to 30 with holiday loyalty scheme). • Opportunity to be involved in the company electric car and/or cycle-to-work salary sacrifice schemes. • Opportunity to be involved in regular social activities organised by the Wellbeing team. • Opportunities for continuous training and development in line with business needs. Welsh Power will encourage any professional training and ambitions to gain relevant professional qualifications and will fund up to two professional memberships (such as IEEE, IET, APM etc)]

As a Welsh Power employee, you are required to comply with all Welsh Power policies and procedures.