

Job Description

1. The Position	
Position	Graduate Electrical Engineer - Development
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 550MW's of flexible generation on behalf of several investors as well one of the first dedicated grid stability facilities in the UK. Welsh Power is currently managing the construction of four large grid stability projects for National Grid ESO in Scotland, as part of Phase 2 of its Stability Pathfinder programme, and has been awarded a further two contracts in Wales and England for Phase 3 of the Pathfinder programme.</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>Our company is seeking a highly motivated Graduate Electrical Engineer - Development to join our team and help develop strategic projects in the UK. The successful candidate will be responsible for supporting the development of projects and helping our company to grow as a leading developer. Key responsibilities include assessing project feasibility, carrying out power system analysis, submitting and managing grid connection applications, interfacing with contractors, and constructing project timelines. The ideal candidate will possess excellent problem-solving skills, and the capacity to work in a challenging and fast-paced environment.</p>
How to Apply?	Please send a CV to: careers@welshpower.com
Manager	The successful candidate will report to the Head of Development
Key Responsibilities	<p>The Graduate Electrical Engineer - Development will undertake various tasks, including but not limited to:</p> <ul style="list-style-type: none"> ○ Perform power system analysis, including steady state, RMS, and EMT studies; ○ Provide electrical input into the location and electrical characteristics of new project developments;

	<ul style="list-style-type: none"> ○ Design grid connections, including the development of SLD and electrical system; ○ Work with OEM (and external consultants) to prepare transmission and distribution grid connection applications for a portfolio of developments; ○ Oversee project development, procurement, and client responsibilities during construction from an electrical perspective, including scoping and overseeing (where necessary) the detailed electrical studies required in G99 and the Grid Code; ○ Provide technical support to the project delivery team if required; and ○ Research and keep up-to-date with technology updates to inform project development and delivery. <p>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.</p>
<h2>2. Person Specification</h2>	
<p>Knowledge, Skills, Attributes and Qualifications</p>	<p>The successful candidate for this position will ideally have completed at least three years of degree level study in a related field such as Electrical Power Systems and Power Electronics or have equivalent experience. The degree should be either MSc or MEng.</p> <p>They will possess excellent modelling and simulation skills using professional software packages such as ATP-EMTP, PSCAD, Powerfactory, etc. They will also have software programming or scripting skills (e.g. PYTHON, Octave) and experience with GitHub in the domain of power system engineering. A basic computer-aided design skills using AutoCAD could be useful but not essential.</p> <p>The candidate must demonstrate a professional approach and attitude at all times and have strong problem-solving skills. They must be prepared to be exposed to high-level sensitive information, and confidentiality and integrity are absolutely essential. They must have a high level of organization skills and attention to detail, as well as effective working with people across different disciplines.</p> <p>The successful candidate must be enthusiastic about the electricity system and be effective working remotely and often without supervision. They must have excellent verbal, written, and presentation communication skills and the ability to self-motivate and effectively manage their workload and prioritize tasks.</p> <p>It should be noted that the graduate engineer is expected to work under supervision until they gain sufficient experience to handle tasks independently. Additionally, the list of duties may be subject to change to meet the future requirements of the business.</p>
<p>Special Features</p>	<p>The role is fairly flexible in terms of location, involving a combination of regular (normally weekly) site visits to the projects that the candidate will manage, occasional 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>
<p>What We Offer</p>	<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 relevant professional memberships

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