

## **Opportunity for Senior Power T&D Engineer**

WEnergy Global PTE LTD is a one-stop-shop-solution provider of renewable energy systems and technologies for energy-efficiency. Our company designs, procures and builds power plants, such as Solar PV, Tidal, Hydro Power and Wind in full integration with Energy Storage Systems. We build, finance, own and operate renewable energy power plants and micro-grids in ASEAN and work together with financiers and investors to implement projects with a strong focus on Philippines, Singapore, Indonesia, Laos and Myanmar. The business portfolio is rapidly expanding.

WEnergy Global Pte Ltd is incorporated in Singapore and is growing its portfolio with a team of technical specialists based in Singapore, Philippines, Germany and The Netherlands. WEnergy Global is part of three Joint-Venture companies in Philippines: Sabang Renewable Energy Corporation (SREC), Culion/Linapacan Renewable Energy Corporation (CREC) and WEnergy Power Pilipinas Inc (WPPI). WEnergy Global Pte Ltd is a member of the Sustainable Energy Association of Singapore (SEAS), the Singapore Business Federation (SBF) and collaborates with technology companies in the field of power systems and smart (micro) grids. Our company has won several awards, including the Singapore APEX Corporate Sustainability Award 2016, Singapore Dutch Chamber of Commerce Dr Albert Winsemius Award for Sustainability and Innovation 2016 and the Erasmus Energy Business Award 2014 (Netherlands).

We have an opportunity for a talented Senior Power T&D Engineer to join our company and become a member of our team.

### **Responsibilities**

The successful candidates will be responsible for:

- Development of complete engineering design packages for power grid systems, including single-line and three-line diagrams, schematics, logic and functional diagrams, panel layouts, interconnection diagrams, equipment specifications and bills of materials;
- The definition of required specifications for power transmission and distribution equipment, such as transformers, switchgear, cables, and of interfaces to energy sources and (large) power consumers.
- Carrying out grid stability/impact studies and loss calculations; grid loss, conductor sizing- and load flow calculations for both cable and overhead and underground line grids;
- Evaluation, demonstration and deployment of technologies that ease grid integration (e.g. storage, demand response);
- Responsible for applied R&D activities in the area of smart micro-grids or off-grid electrification with energy storage systems for applications in ASEAN countries;
- Direction and/ or participation in client meetings/ site visits to collect or deliver design and engineering data;
- Communication with local authorities/ utilities concerning system and interface requirements;
- Technical direction and on-the-job training to drafters, engineering technicians, and less experienced engineers;
- Identification, approach and technical support for negotiation with suppliers of components and local electrical and civil engineering contractors;
- Site supervision during the construction of the designed power grid systems and communication with the site project manager to ensure in-time and in-quality deliverables;
- Preparation of documentation for customers, utilities, (local) authorities, vendors, contractors, etc.

### **Competences & Capabilities**

The candidates would possess capabilities and qualifications as follows:

- **MUST HAVE:** Minimum of a Master's Degree in Electrical Engineering; preferably with a with a sound scientific background of (Smart) Micro-Grids and Energy Storage Systems i.e. power system engineering, including transmission and distribution networks;

- Minimum of 5 years of hands-on experience in distribution and/or transmission grid design and planning, supplemented with extensive product knowledge, experience in procurement and project execution in countries in Asia;
- International knowledge of the threats and opportunities of distributed generation to grid operators;
- Previous experience with (distributed) renewable energy (e.g. Solar PV, Wind, Tidal) and smart grid technologies (e.g. smart metering and remote monitoring) is an added advantage;
- Proficiency in modeling software (e.g. MATLAB, DigSilent PowerFactory, Aspen DistriView, PSSE, LabView), AutoCAD is a MUST and Microsoft Office applications and excellence in reporting in English (written and oral);
- Communication and interpersonal skills including the ability to work as a team member and to clearly communicate approved actions for accurate implementation;
- Ability to work independently with a strong sense of initiative and pro-activism;
- Ability to confidently and comfortably present technical solutions to key customers and respond in a timely manner to technical concerns and answer questions in a knowledgeable and articulated manner.

**Location**

The position is located at the WEnergy Global Headquarters in Singapore. Frequent travelling within ASEAN countries is required.

**Remuneration**

WEnergy Global offers internationally competitive compensation packages to its employees, including selective access to its Employees Shareholding Option Schemes.

**Application and Contact**

Please send us your resume and cover letter to [hr@wenergyglobal.com](mailto:hr@wenergyglobal.com) or via mail to the address below:

WEnergy Global Pte Ltd  
305 Alexandra Road #05-10  
Singapore 159942  
Closing Date: 8<sup>th</sup> February 2019

WEnergy Global PTE LTD has a diverse environment and is proud to be an equal opportunity employer. All qualified and experienced applicants will receive consideration for employment without regard to race/ethnicity, religion, gender, sexual orientation, national origin, disability, marital status or age.

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