



Position Description	
Position	(Senior) Network/Power Systems Engineer
Reports to	General Manager, Windlab Developments Australia
Location	Brisbane or Canberra

Windlab Limited is a global renewable energy development company, established to commercialise world-leading atmospheric modelling and wind energy assessment technology, developed by Australia's premier scientific research institute, the CSIRO. Windlab owns and exclusively utilises this suite of industry best practice tools to identify and efficiently develop, finance, construct and manage high-quality wind farms around the world. Windlab has a portfolio of development sites of some 8,000 MW of potential capacity across Australia, Africa and the United States including over 1,000 MW of capacity either currently in operation or under construction. Windlab is publicly listed on the Australian Stock Exchange.

We are seeking to strengthen our capabilities with an **experienced Network/Power Systems Engineer** who has the professional expertise to manage all grid connection activities from concept through permitting, construction and operation.

The role will report to the General Manager Australia. However, as it will support a number of teams within Windlab, including the technical services team (site identification activities), overseas development teams (Cape Town, Dar Es Salaam, Nairobi and Michigan) and the asset management team, a number of internal communication lines will be active.

The role will either be based in our Brisbane CBD office, or at Windlab's headquarters in Canberra.

Responsibilities and desired experience:

Project Stage	Scope & Responsibilities	Desired Knowledge and Experience
Site selection/concept projects	<p>Provide grid connection expertise in site screening and selection process.</p> <p>Preliminary cost and risk analysis.</p> <p>Manage connection enquiries and pre-feasibility studies.</p>	<p>Understanding of current and planned transmission networks in the NEM and other Windlab markets</p> <p>Ability to consider planned competing projects in network areas</p> <p>Experienced at providing timely advice and garnering NSP support to understand critical risks</p>
Project development	<p>Develop and rank grid connection options for projects based on appropriate technical and commercial criteria</p> <p>Manage connection application process</p> <p>Define preliminary technical specification for grid connection.</p>	<p>Ability to estimate connection costs and connection risks</p> <p>Understanding of connection processes and rules (in particular within the NEM)</p> <p>Technical understanding of studies required by NSPs and AEMO (eg generator performance standards)</p> <p>Proven ability to optimise and manage the connection application process including management of multiple project stakeholders/3rd party support</p>
Project Finance	<p>Negotiate connection contracts</p> <p>Complete technical specification for grid connection</p>	<p>Commercial/technical understanding of connection contracts and implications to bankability</p> <p>Ability to clearly define and negotiate the technical scopes for each of NSP, Contractor(s) and Principal</p> <p>Capability to manage all connection aspects needed to achieve Financial Close</p>
Construction	<p>Support construction and commissioning process</p>	<p>Knowledge transfer to the construction teams and ongoing support for commercial and technical requirements.</p> <p>Engagement with independent engineers on design reviews or construction status.</p> <p>Assessment of tests through construction and commissioning</p>
Operations	<p>Support compliance activities</p>	<p>Ability to provide lead advice/direction for project grid compliance to the Asset Management teams to ensure that each project remains compliant with market rules</p>

Essential skills and competencies:

- Relevant Degree level qualification
- Mature professional experience, ideally with 10 years' work experience
- At least 5 years in relevant roles in consulting/development of grid-related engineering, ideally on renewable energy projects
- Demonstrated experience with HV, MV and LV electrical systems
- Familiarity with key balance of plant IEC technical standards
- Ability to read and understand schematics
- Working knowledge of relevant grid codes
- Working experience with power system digital simulation packages, such as Digsilent, Power Factory, PSS-E/PSCAD or other
- Familiarity with testing procedures for primary and secondary plant
- Strong project management skills and demonstrated ability to work independently
- Excellent communication on all levels, verbal/written and interpersonal skills
- Excellent team-working ability
- Flexible, pro-active, reliable and positive attitude
- Willingness to travel domestically and potentially internationally
- Organised, thorough, diligent, resourceful, and safety aware
- Able to work effectively and continuously across multiple offices/locations
- Rights to live and work in Australia
- Full clean driving licence

Beneficial competencies:

- Passion for renewables
- Relevant industry network

Remuneration:

- Competitive annual salary (plus super), plus discretionary bonus (linked to project milestones/incentive plan)
- Opportunity to be part of the growth story of an ASX listed business

To apply for this job please forward your application to recruitment@windlab.com.