

Position Description	
Position	Head of Network Connections/Principal Networks 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 utilises a suite of industry best-practice tools to identify, develop, finance, construct, own and manage high-quality wind farms around the world. Windlab has a portfolio of some 8,000 MW of projects under development across Australia, Africa and the United States. The company also has over 1,000 MW that is currently under construction or in operation. Windlab Asset Management manages wind and solar assets for Windlab and third-party owners during the construction and operation phases; it has currently over \$1 billion assets under management.

We are seeking to strengthen our capabilities with a **Head of Network Connections**. This person will have the professional expertise to manage the technical and commercial aspects of grid connection through all project stages including concept, permitting, construction and operation.

The role will be primarily focussed on project development and will therefore report to the General Manager Windlab Developments Australia. The role will also support other teams within Windlab, including the technical services team (site identification activities), overseas development teams (Cape Town, Dar Es Salaam, Nairobi and Michigan) and the Australian asset management team.

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
Process, Team and System Management	<p>Manage grid connection and compliance processes over the full project cycle.</p> <p>Build a team of internal and external resources.</p> <p>Build the necessary systems to ensure safe,</p>	<p>Proven ability to manage multi-stakeholder processes.</p> <p>Proven ability to innovate and find solutions to grid connection challenges.</p> <p>Proven ability to manage staff and expert consultants.</p> <p>Experience with appropriate modelling software and asset management systems.</p>



Project Stage	Scope & Responsibilities	Desired Knowledge and Experience
	efficient and effective business processes.	
Site selection/concept stage	<p>Advise on grid connection options during the site screening and selection process.</p> <p>Undertake preliminary costing and risk analysis.</p> <p>Manage connection enquiries and pre-feasibility studies.</p>	<p>Preferably a sound understanding of current and planned transmission/distribution networks in the NEM and other Windlab markets</p> <p>Preferably an established network and knowledge of competing projects within relevant networks.</p> <p>Proven experienced with managing the network integration work stream and interacting with NSPs and regulators .</p> <p>Sound knowledge of electricity rules and related regulations.</p>
Project development stage	<p>Develop and rank grid connection options based on appropriate technical and commercial criteria</p> <p>Manage the connection application process</p> <p>Define preliminary technical specification for grid connection.</p>	<p>Good sense of connection costs and connection risks</p> <p>Experience with connection processes and rules (in particular within the NEM)</p> <p>Solid understanding of the technical studies required by NSPs and AEMO (e.g. 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 stage	<p>Negotiate connection contracts</p> <p>Complete technical specification for grid connection</p>	<p>Proven commercial/technical understanding of connection contracts and implications to bankability</p> <p>Ability to clearly define and negotiate the technical scope and relative risk allocation for the NSP, Contractor(s) and Principal.</p> <p>Capability to manage all connection aspects needed to achieve Financial Close</p>
Construction stage	<p>Support construction and commissioning process</p> <p>Engage with independent engineers during design reviews and construction issues.</p> <p>Assess test results during construction and commissioning</p>	<p>Proven experience with construction and commissioning of renewable energy facilities.</p>



Project Stage	Scope & Responsibilities	Desired Knowledge and Experience
	Oversee generator registration process and the finalisation of generator performance standards.	
Operations stage	Manage activities relating to generator performance standard compliance Assist with technical asset management functions.	Experience with operation of power generation facilities. Experience with management of grid performance standard compliance programmes.

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 electricity rules
- 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 ability to work with diverse teams
- 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
- Right to live and work in Australia
- Full clean driving licence

Beneficial competencies:

- Passion for renewables

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- 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.