

Position title:	Senior Grid Connection Engineer- Technical
Department:	Operations
Team:	Network Connection
Reports to:	Grid Connection Manager-Technical
Direct reports:	None
Location:	Flexible to either Sydney or Melbourne office
Document review date:	April 2024

### Role overview

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The Senior Grid Connection Engineer - Technical at Tilt Renewables is crucial for hands-on aspects of grid connection projects, specifically focusing on the simulation and development of Generator Performance Standards (GPS). This role requires strong technical skills in GPS and proficiency with simulation tools such as PSSE, PSCAD, and PowerFactory. The Senior Engineer actively participates in creating and refining simulation models and preparing comprehensive GPS packages for wind farms, solar farms, and BESS projects. Working under the guidance and support of the Grid Connection Manager - Technical, this position enhances Tilt Renewables' capabilities and drives innovation in hybrid generator technologies.

### Key Accountabilities

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The key accountabilities may include (but are not limited to):

- Directly run simulations and prepare simulation models as a core function, ensuring technical accuracy and compliance with industry standards.
- Conduct detailed GPS studies, ensuring compliance with industry and regulatory standards.
- Provide hands-on technical support and knowledge sharing within the team to foster skill development and project success.
- Collaborate closely with the Grid Connection Manager - Technical to ensure projects meet strategic objectives and operational compliance.
- Hands- on the development of simulation tools, enhancing the team's capability to analyze and optimize grid connection processes.

### Key Relationships

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- As the direct report, the Senior Engineer will work closely with the Grid Connection Manager Technical to receive guidance, ensure alignment on project objectives, and to discuss progress on simulations and GPS package preparations.
- Collaborate closely with colleagues from the combined engineering and project development teams to ensure technical specifications are integrated seamlessly with overall project designs and development strategies. This collaboration is crucial for aligning simulations and GPS models with project plans and timelines.
- While not a core requirement, the role is encouraged to establish and maintain relationships with external stakeholders like regulatory bodies, industry partners, and suppliers to support compliance and foster innovation in grid connection standards.
- Engage with industry experts and academic institutions to stay informed about the latest trends and developments in grid connection technologies and methodologies.



**Skills and Experience**

- Minimum 3 years of relevant experience in grid connection roles, generator design and GPS preparation is preferred.
- Technical Expertise: Proven ability in conducting part of GPS studies, including the development and preparation of GPS packages with guidance and support for various renewable energy projects.
- Software Proficiency: Fluency of simulation software such as PSSE, PSCAD, and PowerFactory, essential for efficient and accurate grid connection projects.
- Problem Solving: Skilled in addressing and resolving technical challenges throughout the grid connection process, enhancing project outcomes and operational efficiency.
- Collaboration and Communication: Demonstrated ability to collaborate with internal teams and external stakeholders to align project goals with technical requirements and regulatory standards.

**Qualifications**

- Bachelor’s or Master’s degree in Electrical Engineering, or a related field.
- Full Drivers Licence

**Key Competencies and Capabilities**

<b>Capabilities</b>	<b>Competencies</b>
<ul style="list-style-type: none"> <li>• Possess robust knowledge in power systems engineering.</li> <li>• Oversee power system studies, including load flow, voltage stability, and transient stability.</li> <li>• Collaborate with stakeholders to specify optimal capabilities for products, projects, processes, or systems.</li> <li>• Regular domestic travel to other asset / site locations</li> </ul>	<ul style="list-style-type: none"> <li>• Collaboration</li> <li>• Customer Focus</li> <li>• Drives Results</li> <li>• Plans and aligns</li> <li>• Communicates effectively</li> <li>• Ensures accountability</li> <li>• Instils trust</li> <li>•</li> </ul>

### About Tilt Renewables

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Tilt Renewables aims to be the leading developer, owner and manager of renewable energy generation assets in Australia. With 1.7 GW of Operational Assets and a pipeline of over 5GW we are well positioned to achieve this.

We are proudly Australian with strong brand recognition known for developing and operating, high quality assets in Australia with a long-term owner's perspective. With a significant pipeline of development opportunities, we have an appetite for growth.

Our approach is to adopt a pragmatic view of the development, asset operation and energy market functions focussed on optimising customer, investor, employee and community outcomes. This requires agile and effective decision making and outstanding execution of opportunities.

Credibility in the eyes of our investment stakeholders as well as strong relationships with our customers, key suppliers, contractors and the communities we operate in are critical to Tilt Renewables' success. Tilt Renewables has corporate offices in Melbourne and Sydney and a rapidly growing capable team of approximately 100 employees who are able to apply themselves to any issue or opportunity, regardless of functional structure.

We are committed to a customer centric renewable energy solution, building on our enviable track-record, experience, and reputation.

### Our Vision

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Our vision ***to drive the transition to renewables through everything we do*** focuses on us helping create the world we want to be part of and to look for those opportunities in everything we do.

### Our Values

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Developed by our team to reflect what matters most to us, our values are simple, unequivocal, and focused on how we generate a difference – for our business, for our people, for our investors and for the communities we work with.

**We are People Powered | We Get It Done | We Lead**

### Our Investors

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Tilt Renewables has three key investors:

- Future Fund (40%),
- QIC (40%); and
- AGL (20%)