

Position title:	Grid Connection Manager-Technical
Department:	Operations
Team:	Network Connection
Reports to:	Network Connection Manager
Direct reports:	Senior Grid Connection Engineer x 1 + 1 Grid Connection Engineer / Graduate
Location:	Flexible to either Sydney or Melbourne office
Document review date:	May2024

Role overview

The Grid Connection Manager at Tilt Renewables plays a critical role in leading the technical aspects of grid connection projects for renewable energy developments, with a particular emphasis on Generator Performance Standards (GPS). This position requires a high level of expertise in GPS and proficiency in simulation tools such as PSSE, PSCAD, and PowerFactory. The manager leads the development and preparation of GPS packages in-house for wind farms, solar farms, and BESS projects, enhancing Tilt Renewables' capabilities and driving innovation in hybrid generator technologies.

This role is central to technically guiding the team, mentoring junior engineers, and ensuring projects progress smoothly from feasibility through to operational compliance. The Grid Connection Manager is responsible for problem-solving throughout the project lifecycle, addressing technical challenges, and ensuring projects adhere to timelines, budget, and regulatory standards.

By actively engaging with internal and external stakeholders, the Grid Connection Manager leads the technical delivery of projects. . This leadership is crucial for maintaining Tilt Renewables' status as a leader in renewable energy integration, focusing on continuous improvement and technological advancement in grid connection processes.

Key Accountabilities

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

- Lead and manage a team in the preparation and execution of GPS packages for various renewable energy generators.
- Conduct and oversee detailed GPS studies, ensuring compliance with industry and regulatory standards.
- Drive the development and implementation of new technologies for hybrid generators within the GPS framework.
- Prepare technical reports in GPS package and necessary supporting technical notes.
- Expertly handle PSSE, PSCAD, and PowerFactory for efficient and accurate grid connection projects.
- Actively participate in and oversee all stages of grid connection, including hold point tests.
- Mentor and support team members in technical aspects of GPS preparation and grid connection processes.
- Lead the development of simulation tools, enhancing the team's capability to analyze and optimize grid connection processes.

Key Relationships

- Collaborate closely with Grid Connection Manager (Project) and other internal teams, including engineering, project management, procurement, and assigned grid connection engineers, to align GPS preparation and grid connection processes with overall project goals.
- 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.
- Keep technical strategic engagement with NSPs and AEMO regarding technical matters

Skills and Experience

- Minimum 7 years of relevant experience in grid connection roles, generator design and GPS preparation is preferred.
- Technical Expertise: Proven ability in conducting full GPS studies, including the development and preparation of GPS packages independently for various renewable energy projects.
- Software Proficiency: Mastery of simulation software such as PSSE, PSCAD, and PowerFactory, essential for efficient and accurate grid connection projects.
- Leadership Experience: Extensive experience in leading and mentoring teams through the GPS preparation process, with a proven track record in managing all stages of grid connection (R0, R1, R2).
- Problem Solving: Skilled in addressing and resolving technical challenges throughout the grid connection process, enhancing project outcomes and operational efficiency.
- Demonstrated communicationskills: 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

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



<ul style="list-style-type: none">• Regular domestic travel to other asset / site locations	
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About Tilt Renewables

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

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

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

Tilt Renewables has three key investors:

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