



Position title:	Senior / Principal Engineer – Electrical
Department:	Development
Team:	Engineering
Reports to:	Head of Engineering
Direct reports:	Nil
Location:	Melbourne
Document review date:	May 2024

Role overview

The Senior / Principal Engineer – Electrical in Tilt Renewables is an opportunity to play a critical role within a leading Australian renewables business to help drive the energy transition in Australia.

This role provides important support to development of projects both in the electrical discipline and in general project engineering. The development portfolio includes projects from early stages to near shovel-ready, and this role will be involved in supporting these developments as well as supporting projects in construction.

The Senior / Principal Engineer – Electrical will work with others in the multi-discipline Engineering team, as well as project development managers, project directors, the commercial team, asset management / operational team, and external stakeholders such as contractors and consultants.

The role will be responsible for coordinating engineering activities in the development phase, preparation of conceptual designs and technical specifications, supporting the procurement of BESS and wind farm balance of plant (BOP) packages, striving to deliver quality assets and delivering continuous improvement.

Key Accountabilities

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

- **Technical project leadership:** Undertake Lead Engineer role on assigned wind farm and/or BESS development projects, taking responsibility for delivery of agreed solutions to an agreed schedule, coordinating cross-discipline resources and managing technical interfaces as necessary. Engage with internal and external stakeholders as required.
- **Project development:** Collaborate with project teams to make informed decisions in relation to project design and engineering approach. Provide electrical engineering and general project engineering support to greenfield wind farm and BESS development, feasibility studies, de-risking, and financial analysis for project progression and investment decisions. Provide expert advice in relation to site reticulation design, substation and grid connection design, SCADA & park controller interfaces, interfaces with grid modelling (R1/R2 processes, GPS compliance) and electrical construction.
- **Technical support to procurement:** Work with project development and commercial teams, supporting technical aspects involved in BESS and wind farm BOP procurement. This includes

supporting the development of Principal's Requirements to be included in project agreements, and support for negotiation of technical schedules, and finalising technical schedules within project agreements such as availability guarantees, other BESS warranties, design life requirements, R2 testing and generator registration.

- **Delivery support:** Provide technical and engineering support to wind farm and BESS construction projects including constructability assessments, progress reviews, site visits, review of ITPs and quality records, review of milestone claims and assessment of defects.
- **Asset management support:** Support operational projects with technical advice on operational issues, defects, maintenance plans and optimisation opportunities.
- **Consultant and contractor coordination:** Engage, instruct and work closely with specialist external consultants, gathering necessary information and collaborating to deliver engineering services that leverage both internal and external resources.
- **Technical due diligence:** Support technical due diligence activities, working with and instructing third party advisors where required for potential financing and acquisition opportunities.
- **Continuous improvement and innovation:** Stay updated with industry trends and advancements in renewable project design and delivery to drive continuous improvement and innovation, and to ensure projects adhere to best practices and compliance standards.
- **Resource management:** Undertake resource planning and work allocation for a small number of team members (1-3) in the electrical discipline.
- **Team development:** Mentor and guide engineering and cross-function team members, sharing technical expertise and fostering a culture of continuous learning and professional growth.
- **Leadership:** Demonstrate initiative, collaboration, and strong communication skills in all activities. Support innovation and provide input to team and company strategy to contribute to company culture, goals, and long-term objectives.
- **Financial and risk management:** Provide inputs to budgeting, cost control and forecasting processes. Support project business cases by reviewing and challenging costs where appropriate. Support robust risk management with expert advice on technical, practical and contractual methods of managing key risks including reliability/availability risks, GPS compliance, interface risk and other risks.
- **Health, safety and environment:** Contribute to a culture of caring and safety within the engineering team and the company broadly. Ensure all company HSE policies are adhered to in own work and are included in project tendering and contract negotiation processes with external parties. Champion the implementation of safety-in-design procedures for both internal and external work.

Key Relationships

This role will work closely with:

Tilt Renewables stakeholders:

- Engineering team
- Project development team
- Planning, environment and land acquisition team
- Grid engineering team

External stakeholders:

- Technical consultants and advisers
- Construction contractors and wind turbine suppliers (OEMs)
- Landholders
- Local community and stakeholders (e.g. local councils)

Skills and Experience

As a key member of the Development team within Tilt Renewables, success in this role will require strong experience in HV electrical engineering, as well as:

- Direct experience with **grid connection of renewables** preferred, otherwise experience in development or construction of electricity infrastructure.
- **Understanding of** electrical construction, power system analysis, electrical engineering (HV and LV), National Electricity Rules, generator registration.
- Demonstrable experience in implementation of **quality systems, risk, HSE** and contract management is highly desirable.
- Strong understanding of **project management discipline** and large-scale construction projects including contracts, safety, environment, stakeholder, schedule, cost, and quality.
- Strong **technical knowledge in renewable energy** with experience in onshore wind preferred.
- Experience in **project development** and delivery of renewable projects.

Qualifications

- Minimum **bachelor’s degree in electrical engineering** or other relevant discipline.
- Post graduate qualification in engineering or related technical discipline is desirable.
- Chartered Engineer (desirable).
- Full Drivers Licence.

Key Competencies and Capabilities

Capabilities	Competencies
<ul style="list-style-type: none"> • Regular domestic travel to Tilt asset / site locations • Occasional work outdoors in potentially harsh conditions • Driving long distances required for remote site visits 	<ul style="list-style-type: none"> • Collaborative work style; open, honest and effective team player • Takes initiative; self-starter and committed to achieving challenging goals • Effective verbal and written communication • Strong attention to detail • Holds self and others accountable against commitments • Builds relationships and trust • Problem-solving attitude

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 90 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%)