

JOB POSTING



Reference Number:	PT-SJ-18-0102
Position:	Electrical Power Systems Design, Communications and Field Engineer
Reporting to:	Managing Director
Location:	Nunawading, VIC 3131
Regular / Temporary:	Regular
Start Date:	01/10/2018
Employment type:	Full Time

<p>Who is PowerTec?</p>	<p>Join us in building the solution to the technical challenges of Distributed Energy Resources (DER) on the electricity network and to dynamic electricity market access by DER!</p> <p>PowerTec provides control and stabilisation technology and integrates complete systems: Battery energy storage systems, microgrids, virtual power plants, and smart embedded networks with renewable energy.</p> <p>Our experienced team and partners provide comprehensive delivery services from concept studies through to design, construction and commissioning of integrated systems.</p> <p>We are a technology innovator: Our PowerCache® (grid stabilising inverter/battery energy storage system) and PaDECS® (Parallel Distributed Energy Resources Control System) offer effective solutions to both, the grid technical challenges and the market integration of DER in the evolving electricity network, both in front and behind the meter.</p> <p>PowerTec has delivered some of the most relevant Australian Microgrid and Energy Storage reference projects and has won the 2017 Clean Energy Industry Innovation Award.</p>
<p>Why work for PowerTec?</p>	<p>The electricity network is transitioning from traditional generation and distribution models to multi-directional, more dynamic operation with distributed renewables. It demands the use of smart, responsive and scalable technologies to maintain a resilient electricity network and enable more dynamic market access for companies and communities alike.</p> <p>We are a fast-growing engineering company leading exciting developments in the evolving fields of distributed energy, battery energy storage, and Internet of Things (IoT).</p> <p>We apply a flexible and collaborative approach to our business and provide some of the most innovative learning and growth opportunities in the market.</p>
<p>The opportunity:</p>	<p>An exciting new opportunity exists for an Electrical Power Systems Design, Communications and Field Engineer to join our team.</p>
<p>The ideal candidate will have:</p>	<ul style="list-style-type: none"> • A tertiary degree or higher in Electrical or Power Systems Engineering • Relevant professional design experience in the following areas: <ul style="list-style-type: none"> ○ Electrical Power Systems Design (Primary/Secondary) ○ Power Electronic Systems Control and Communication Design ○ Protection System Design

JOB POSTING



	<ul style="list-style-type: none"> ○ Power System Modelling (e.g. Matlab/Simulink) preferred ○ Working in a similar role within the Energy/Electrical Utility sector (Australia preferred) ● Relevant construction/installation supervision and commissioning experience in the following areas: <ul style="list-style-type: none"> ○ Renewable Energy Systems (Inverters, Batteries) ○ Low Voltage Switchboards and protection ○ Power Electronics Systems control and communication ○ Electrical Licence (would be beneficial but not required) ○ Working in a similar role (minimum 1 year) within the Energy/Electrical Utility sector (Australia preferred) ● A pragmatic approach with an ability to solve design problems and field issues independently and remotely ● Outstanding verbal and written communication skills ● Confidence in dealing with customers and supply partners ● The ability to work to challenging deadlines in a team environment ● An Australian permanent residency, or suitable valid visa to work in Australia for at least 2 years ● A courteous and professional nature
<p>The work will involve:</p>	<ul style="list-style-type: none"> ● Managing the delivery of all aspects related to electrical design, supply coordination, construction supervision, testing, installation supervision and commissioning such as: <ul style="list-style-type: none"> ○ Development of well written project and business related technical documentation ○ Selection or design and programming, parameterising, system integration, testing and on-site commissioning of: <ul style="list-style-type: none"> ▪ Utility-scale power conversion systems and battery systems ▪ Multi-function protection relays and PLCs ▪ Integration of various power generation systems (e.g. solar PV, engines etc) ▪ LV power switchboards (both AC and DC) ▪ Integration into the HV network ▪ Mechanical and auxiliary systems (Enclosures, HVAC, fire mitigation) ▪ Communication of various power systems field devices with the overlaid Distributed Energy Resources control system (Modbus TCP, Modbus RS485, CANBus) ▪ Other power system field devices ○ Develop protection settings for LV 3-phase utility grid connected distributed power assets ○ Technical scope and detail functional and interface clarification with product suppliers ● Contributing to power system modelling and control system design ● Business travel and independent work in the field, including at remote sites (approx. 10% of work time)

To apply for this opportunity, please send your resume, cover letter, education transcripts and references to careers@power-tec.com.au, quoting reference PT-SJ-18-0102.