

## Position Descriptions

Electrical Design Manager	
Team	Electrical Design
Department	Operations
Based at	Exeter, Tasmania
Reports to	General Manager
Award	Professional Employees Award 2020
Classification	Level 2
Employment Status	Full-Time

### ABOUT US

At Tamar Hydro, our unwavering commitment is centred around developing and propelling integrated sustainable solutions that lay the foundation for a greener and more prosperous future.

#### Our purpose

We create and develop integrated sustainable solutions.

#### Our core beliefs

- We believe in making a positive difference to people's lives.
- Our people are family, being passionate about everything we do is the cornerstone of our culture.
- Enabling customer's success enables our success – they are the core focus on everything we do.
- Our people are our most valued asset, they are the heart and soul of our business – everyone has a voice. We believe if we treat people like they make a difference, they will.
- Through utilisation of technology and engineering excellence, we deliver innovative solutions.
- Strong leadership provides us with a vision to succeed.

## POSITION OVERVIEW

The role of the Electrical Design Manager, is primarily responsible for overseeing and coordinating all aspects of electrical design activities within the organisation, ensuring adherence to standards, safety protocols, and project requirements. You will lead a team of professionals to deliver high-quality electrical designs for various projects, particularly in the renewable energy sector. Additionally, you will provide technical expertise, guidance, and support to ensure the successful execution of projects.

## KEY RESPONSIBILITIES

- Supervise and coordinate electrical design activities, ensuring alignment with project goals and contractual obligations.
- Supervisory experience in electrical works associated with mini hydro, solar, and other renewable generation types.
- Oversee the production of detailed design methodologies, guidelines, and documentation, including design reviews.
- Monitor and report on the progress of electrical design tasks, including resource allocation and document control.
- Strong comprehension of motor control schematics, generator connection, and protection schematics.
- Skilled in conducting fault-finding with various electrical systems in power generation.
- Coordinate with interdisciplinary teams to ensure seamless integration of electrical designs.
- Provide technical support to project groups, procurement, subcontracting, and construction activities.
- Complete electrical and control works associated with construction of MCC's, power switchboards and control cabinets.
- Evaluate design changes and ensure proper implementation within the original scope of work.
- Ensure compliance with applicable electrical standards and safety guidelines.
- Lead from the front, providing support and guidance to the team when necessary. With the ability to coach and mentor electrical personnel such as apprentices and Trade assistants.

### Additional Responsibilities

- Commitment to cleanliness and safety in the workplace, ensuring compliance with legislative requirements.
- Provide a strong customer service and can relate with and work with several people irrespective of their background.
- Travel to site, either intrastate, interstate, or international if required.
- Ensure that assigned equipment and tooling is maintained and in accordance with legislative requirements and in a safe, effective, and efficient state to be available for the task that they are intended.

## QUALITY & ENVIRONMENT

### Quality Assurance

- Establish and uphold project quality standards, performing essential quality reviews and audits to guarantee that all project deliverables consistently adhere to predetermined quality benchmarks.

### Environmental Responsibility

- Promote environmental responsibility throughout the project lifecycle by ensuring compliance with federal and state environmental regulations, permits, and ISO standards, while also minimising environmental impact, implementing sustainable practices, engaging stakeholders, and upholding environmental and quality policies and procedures.
- Perform tasks with a focus on minimising errors, waste, and time while maintaining a keen awareness to ensure your actions have no adverse impact on the surrounding environment.

### Organisational Environment

- Treat all colleagues with respect, embracing diversity and individuality, and fostering an inclusive environment where everyone has an equal voice in a safe, open, and collaborative setting.
- Show dedication to Tamar Hydro's mission, fundamental values, and established policies and procedures by aligning performance, attitude, and behaviours with the Company's uPAT framework and the Integrated Management System (IMS).
- Preserve the confidentiality of information pertinent to the responsibilities of the position.
- Maintain confidentiality of information relevant to the scope of the role.

## WORKPLACE HEALTH & SAFETY

- Contribute to maintaining a safe environment, by taking personal responsibility for protecting the health, safety and wellbeing of themselves and colleagues, (including psychological) and following all reasonable work instructions.
- Notify and report to management on any accidents, near misses or hazards using the correct methods.
- Adhere to and perform tasks whilst wearing appropriate PPE (Personal Protective Equipment) as trained and instructed, in accordance with Safe Work Practices and PPE signage.
- Handle chemicals or materials, in accordance with Material Safety Data Sheets, including wearing or using all PPE requirements, when using or storing chemicals and materials.
- Be familiar with the location and general content of emergency procedures and undertake workplace health and safety training.

- Provide all relevant information regarding any medical conditions that may impact on the ability to undertake the inherent requirements of the role.

## SELECTION CRITERIA

### Essential Requirements

- Industrial Electrician or Certificate III in Electrotechnology, with a minimum of 5 years' experience or A degree qualification in Electrical Engineering from a recognised University
- Demonstrate knowledge and experience in Automation (SCADA and PLC Controls), VSD's, and Motor/Pump Control.
- Excellent communication, leadership, and organizational skills.
- Hold a unrestricted and current driver's licence
- Ability to travel intrastate, interstate, or internationally if required.

### Desirable and Other Requirements

- Experience working with SCADA and PLC control systems
- Previous experience in the design, operation, and maintenance of hydro, solar or similar assets.
- Experience in workflow Max or other relevant IT tools.
- Licences / Registrations
  - Tasmanian Electrician's licensee
  - White Card
  - Work Safely at Heights
  - High Risk Work Licence with Forklift Truck (LF), Elevated Work Platforms (WP)
  - First Aid & CPR
  - Low Voltage Rescue

## ROLE DIMENSIONS

### Decision Making

- The Electrical Design Manager exercises considerable autonomy within their established work plan, making authoritative decisions within their designated scope. They hold responsibility for the successful execution of assigned tasks, while receiving guidance from their manager regarding priorities, intricate issues, and matters necessitating higher-level resolution.

### Budget / Expenditure

- The Electrical Design Manager must obtain approval from the General Manager – Operations, for any expenditure or expenses in accordance with the relevant Purchasing procedures.

## STAKE HOLDER RELATIONSHIPS

Internal		External	
Chief Executive Officer	X	Clients and partners	X
General Manager	X	Product suppliers	X
Finance	X	Contractors	X
Administrative support	X	Governmental and legislative authorities	
Project Delivery	X	Work site personnel	X
Manufacturing Workshop	X	Training organisations	X
Engineering & Design	X	Tasman Renewables Pty Ltd	
Harvest Water	X	External consultants	
Electropulse Projects	X	Board of Directors	

## WORKING CONDITIONS

This role, primarily office-based in Exeter, may also entail driving in varying conditions, necessitating a valid driver's licence. The role is mostly desk work with computer use, with potential interstate or intrastate travel by car, plane, or boat, and occasional after-hours duties.

Pre-employment medical assessments and bi-annual audiometric testing are required.

This role will include working within a dynamic environment where tasks and priorities may change frequently and may have dual reporting relationships, so the ability to be flexible and adaptable will be required.