

Take the plunge



A step forward in your career,
just a step from the coast.

SCADA & Electrical Engineer
(Ongoing / Full Time)

Position Description



WESTERNPORT
WATER

Position Description

Title	SCADA & Electrical Engineer
Band	SEO
Location	Newhaven Head Office, Phillip Island
Department	Engineering and Projects
Division	Assets & Operations
Reports To	Senior Engineer Reliability
Direct Reports	Nil
Child Safety Category	Category 3- No contact- This position is not required to engage with children within the normal responsibilities of the role.

The SCADA & Electrical Engineer will provide technical direction on power, electrical control and SCADA aspects relating to water, sewer and infrastructure projects. This will include executing projects defined in the Westernport Water (WPW) SCADA Strategy as well as supporting broader projects and day-to-day operational issues.

Key Responsibility Areas

- Lead the execution of projects and actions defined in the approved WPW SCADA Strategy through all phases of project management from tender documentation and contracts through to execution and acceptance. Projects include but not limited to: RTU renewal/upgrades, radio network upgrade and SCADA governance.
- Provide expert advice on electrical/SCADA aspects of WPW projects to internal stakeholders.
- Lead analysis of the current capacity and future system augmentation of WPW's facilities and infrastructure including reviewing design documentation and drawings, providing specifications and advice/solutions.
- Deliver technical leadership in the development, maintenance and ownership of WPW's design standards, drawings and specifications in the power, electrical control and SCADA specifications.
- Use your specialist knowledge to manage WPW's preferred equipment selections for SCADA/electrical equipment and update this based on lessons learned and emerging products and technologies.
- Ensure the integrity, accuracy and completeness of asset data contained within the AMIS, GIS, and SCADA and use this data to make informed asset management decisions.
- Provide subject matter advice on the development and prioritisation of WPW's investment program for CAPEX and OPEX projects by ensuring alignment with risk and corporate objectives.
- Drive and deliver the renewals program for electrical and SCADA equipment.

- Provide technical engineering support to the Technical Officer SCADA and Electrical (TOSE) on troubleshooting reactive electrical issues when required, and management of maintenance contracts.
- Undertake factory and field inspections and ensure the quality of SCADA and electrical works are to WPW's standards and delivers the expected service levels.
- Provide appropriate, adequate and timely information and reporting regarding asset performance and guaranteed service levels for the Executive, Board Meetings and other regulatory requirements as required.
- Lead and implement a “safety first culture”, and adherence to the Westernport Water's Occupational Health and Safety, Environmental Management and Asset Management Systems.

Qualifications and Experience

- The candidate is required to have a tertiary qualification in engineering – Instrumentation and Controls, Electrical or Mechatronics Engineering. Or a relevant trade qualification /diploma (such as electrician or instrumentation and controls) with significant experience working with power, electrical control and SCADA systems.
- Substantial knowledge and experience in engineering principles relevant to this position and project management and administration.
- Exceptional stakeholder engagement skills including the ability to build and sustain effective working relationships with internal and external stakeholders underpinned by demonstrated communication, influencing, engagement and interpersonal skills.
- Project management skills including planning, organising and well developed conceptual and analytical skills.
- Current driver's licence suitable for Victoria.
- Well-developed administrative and computer skills.

Management and Interpersonal Skills

Positions in this band typically involve the supervision of large numbers of employees or the supervision of tertiary qualified employees or employees with extensive experience.

Management skills are required to achieve objectives and goals, taking account of organisational and external constraints and opportunities.

Positions require the ability to persuade, convince or negotiate with clients, members of the public, other employees, tribunals and persons in other organisations in the pursuit and achievement of specific and set objectives. Employees at this level must be able to lead, motivate and develop other employees.

Accountability and Extent of Authority

Positions in this band may manage resources and/or regulatory or specialist units and/or develop and interpret policy.

In positions where the prime responsibility is for resource management the freedom to act is governed by broad goals, policies and budgets with periodic reviews to ensure conformity with those goals and a reporting mechanism to ensure adherence to budgets. Decisions and actions taken in this band may have a substantial effect on the operational unit being managed or on the public perception of the wider organisation.

In positions where the prime responsibility is to manage regulatory or specialist units, the freedom to act is governed by the goals and policies of the organisation and by statute and subordinate legislation. Decisions and actions taken at this level may have a substantial effect on the community or sections of it.

In positions where the prime responsibility is to develop policy options and strategic plans, the freedom to act is wide and limited only to the areas nominated by WPW or the corporate management. The advice and counsel provided by these positions is relied upon for guidance and part-justification for adopting particular policies the impact of which may be substantial upon the organisation and/or the community.

Judgement and Decision Making

These positions generally involve both problem solving and policy development. Methods, procedures and processes are less well defined and Employees are expected to contribute to their development and adaptation. The work will typically require the identification and analysis of an unspecified range of options before a choice can be made. Employees at this level will identify and develop policy options in their own functional area for consideration and choice by their Manager or by WPW.

Specialist Knowledge and Skills

Substantial knowledge and understanding of engineering and design principles and project management procedures and associated documentation for water and wastewater systems;

Comprehensive program, project and contract management skills;

Comprehensive working knowledge and understanding of the implications of all relevant legislation and regulations applicable to the Water Industry;

An understanding is required of the long term goals of the wider organisation and of its values and aspirations and of the legal and socio-economic and political context in which it operates;

A sound knowledge of budgeting and relevant accounting and financial procedures is essential except for specialist positions where such knowledge may not be required.

Organisational Relationships

<p>Internal: All staff</p>	<p>External: Other Water Corporations General Public</p>
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	Local Government/Agencies
	Contractors
	Consultants

Primary Physical Requirements

- **Sitting:** the employee is required to sit for extended periods of time.
- **Standing:** the employee is required to remain on his or her feet in an upright position for extended periods of time.
- **Climbing:** the employee is required to climb stairs, fences and or ladders and work above ground or below ground as required.
- **Walking:** the employee is required to walk varying distances during the course of his or her work.
- **Lifting / Carrying:** the employee is required to lift and carry heavy and awkward objects in accordance with safe lifting techniques during the course of his or her work.
- **Pulling / Pushing:** the employee is required to exert force to push or pull objects during the course of his or her work.
- **Gripping / Grasping:** the employee is required to regularly pick up and grip objects.
- **Reaching:** the employee is required to reach for objects.
- **Squat / Bend / Kneel / Stoop and Crouching:** the employee is able Squat, Bend, Kneel, Stoop and Crouch for extended periods of time.
- **Speaking / Hearing / Seeing:** the employee is required to hear, see and communicate work related instructions.
- **Driving:** the employee is required to drive cars and 4WDs.

Key Selection Criteria

- Tertiary qualification in engineering – Instrumentation and Controls, Electrical or Mechatronics Engineering. Or a relevant trade qualification /diploma (such as electrician or instrumentation and controls) with significant experience working with power, electrical control and SCADA systems.
- Technical experience with power systems and electrical systems design/review in an industrial setting.
- Substantial project management and contracts administration experience related to SCADA/electrical work scopes.
- Experience with developing company SCADA/electrical standards including preferred equipment selection.
- Exceptional stakeholder engagement skills, with a proven ability to build and maintain effective relationships with internal and external stakeholders, supported by strong communication, influencing, and interpersonal capabilities.
- Current driver's licence suitable for Victoria.



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