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| Position Number | 006002    | Manager’s Role Title | Manager Engineering, Capital Works |
| Business Group | Commercial and Business Development | Manager Once Removed | Senior Manager, Engineering Services |
| Requisite Organisation Level of Work | I QualityV SA Water Hierarchy Level  | Direct Report’s Role Title(s) | Not applicable |

## Purpose (Unique value add)

Act as subject matter expert for electrical, instrumentation and controls engineering matters within the corporation and provide technical leadership of the Electrical Engineering team, in delivering a high level technical design, audit & advisory service related to all aspects of water and wastewater standards and infrastructure.

## Objectives

The objectives of this role are to:

* Ensure that customer & corporate needs for electrical engineering services are met by the provision of a high level design and technical advice service from the Electrical Engineering team.
* Deliver innovative, technically sound, cost effective and safe engineering solutions for electrical infrastructure.
* Provide Electrical Engineering technical leadership for engineering matters across the organisation.
* Ensure compliance with the requirements of technical guidelines, standards, policies and statutory requirements for electrical components of SA Water infrastructure.
* Support the technical interface for the Automation Panel Contract for SCADA and Control Systems Integration Services.
* Ensure a satisfactory level of technical capability and identify areas of technical development for the SA Water Electrical Engineering team

## Key Accountabilities

The key accountabilities of this role are:

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| Key Accountabilities | Weighting | Output/Measures |
| **Mandatory accountability:**Contribute effectively to the team ensuring efforts are aligned toward achieving team goals | 20% | * Implement the direction set by the manager.
* Complete specific tasks allocated.
* Collaborate effectively to ensure team goals are achieved by providing input into decision making and problem solving.
* Demonstrated contribution to agreed engagement and cultural development initiatives within team.
 |
| Electrical Engineering Design Capability | 20% | * Provide specialist design and technical auditing of SA Water projects to meet time and budget constraints.
* Act as a Subject Matter Expert in Electrical Engineering matters across the corporation.
* Provide the technical lead on *Safety In Design* matters for the Electrical team.
* Provide input into the technical development requirements for Electrical Engineering team.
* Support the performance management of SA Water’s Automation Panel to ensure industry best practice and compliant solutions.
 |
| Customer Service | 20% | * Provide timely, accurate, appropriate and adequate information and documentation to customers, with a focus on minimising delays and providing cost effective solutions.
* Seek and initiate value add intiatives for the Electrical team to satisfy customers’ needs
* Act as the Subject Matter Expert for all electrical engineering matters for the corporation
* Provide input on the allocation of design and support resources for electrical deliverables to best satisfy the customer’s requirements
 |
| People and Culture | 15% | * Provide technical guidance to the Electrical Engineering team
* Work effectively within the Electrical Engineering section, with other Engineering Principal Engineers and across multi-disciplinary design teams.
* Regular participation in Mech&Elec team meetings.
* Develop and maintain effective relationships with key customers and stakeholders
* Management of the Electrical Knowledge Base.
* Provide the lead technical role in hosting Electrical Forums.
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| Technical Standards | 15% | * Lead the review and update of SA Water’s technical standards and guidelines for electrical components of SA Water infrastructure.
* Ensure SAW’s technical standards and guidelines are best for business solutions, that meet Asset Management’s asset life requirement, while providing cost effective, fit for purpose outcomes.
* Conduct site audits to ensure compliance to standards.
* Educate project managers, contractors and regional personnel on SA Water requirements.
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| Innovation | 10% | * Determine suitability of new and emerging technologies and recommend they are adopted by the Corporation where benefits are identified.
* Keep up to date with state of the art in electrical engineering.
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## Behavioural Competencies

**Uphold SA Water’s Values:**

* Put safety above all else
* Act in the best interests of customer and the community
* Seek and apply better ways
* Respect our people
* Be trustworthy

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| Behavioural Competencies | Weighting | Output/Measures |
| Customer Focus | 25% | * Anticipates customer needs and follows through.
* Makes decisions that take into account value for customer.
* Takes early action and acts decisively to overcome problems arising.
 |
| Collaborate for Success | 15% | * Works co-operatively with others to achieve the best outcomes.
* Builds and maintains effective internal and external relationships.
* Supports different points of view and treats difference respectfully.
 |
| Self-Management | 15% | * Focuses on delivering services despite challenges.
* Tailors communication to the situation and needs of the team.
* Assists others to adapt to change and builds enthusiasm for change.
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| Achieve Results | 20% | * Takes personal responsibility for mistakes and learns from them.
* Looks for ways to continually improve and finds better ways.
* Focuses on achieving outcomes using good judgement and quick decisions that lead to business success.
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| Safety Culture | 25% | * Puts safety first when making decisions.
* Exercises judgement and identifies opportunity to prevent risks.
* Openly communicates ways of improving safety.
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## Knowledge, Skills & Experience

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| --- | --- |
| Foundation knowledge, skills, experience & qualifications | Essential or Desirable |
| Professional Electrical Engineering Qualification (B.E. Electrical) | Essential |
| Detailed knowledge of electrical engineering procedures and practices as applied to the water industry and large engineering organisations | Desirable |
| Extensive experience in the provision of concept and detailed design of electrical installations associated with the water industry at a high professional level | Desirable |
| Extensive experience in the provision of concept and detailed design of electrical installations | Essential |
| Extensive experience in the personal execution of more novel, more complex and critical engineering investigations and designs in electrical engineering | Essential |
| Experience in the auditing of concepts and designs prepared by others | Essential |
| Experience in the development and ongoing review of technical and infrastructure standards | Essential |
| Demonstrated experience operating as the Subject Matter Expert in Electrical Engineering providing technical guidance and support to team members and customers | Essential |

## Job Family, Job Group & Job Profile

Further learning and development will be decided by management in accordance with the SA Water Job Profile for this position.

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| Job Family | Job Group | Job Profile |
|  |  |  |

## Key Stakeholder Relationships

* SAW Engineering Services personnel
* Specialist professional/technical staff
* Project managers/contract administrators
* Engineering consultants and contractors
* SAPN
* Equipment suppliers and OEM’s
* Other government agencies
* SA Water staff in areas such as Regional Operations, Procurement, Asset Management and Major Projects

## Special Conditions

* Flexible hours and some after hours as required, some intra and interstate travel.