

Role Description

SCADA Engineer



Title	SCADA Engineer
Classification/Grade/Band	Band 3 Level 3
Group/Unit/Section	Water and Sewer/ Network Operations and Maintenance / Systems Operations / SCADA Engineers
Reports to	Team Leader SCADA Engineers

Vision

A vibrant organisation doing great things.

Purpose

To provide valuable services that strengthen and support the Central Coast Community.

Values

Decisions, actions and behaviours are governed by our Corporate Values; Be Safe, Serve, Collaborate, Improve, Be Your Best and Be Positive. All employees have a responsibility to uphold and champion these values.

Primary Role Statement

In contributing to the overarching vision and purpose, the role of SCADA Engineer provides administration, security, operation and telecommunication support services to others on Council's SCADA, automation and telemetry networks. The position is responsible for assisting employees and management to align strategic, operational and organisational objectives in designated business units.

This will be achieved through the provision of services with the support of a specialised team to undertake SCADA, automation & network administration/security functions; configuration of telecommunication systems including point to multi point telemetry repeaters and IP backhaul networks; telemetry system design, installation, commissioning and maintenance, PLC/RTU software development, commissioning and maintenance.



The role of SCADA Engineer is required to provide quality customer service and creating value for the community.

Key Duties and Responsibilities

- Telemetry and network system design, installation and maintenance
- Technical support to operational field staff
- Preparation of technical specifications
- Operating and maintaining SCADA infrastructure associated with Sewer Treatment Plants, Water Treatment Plants, Pumping Stations, Reservoirs, Stormwater Treatment Plants, Dams and High Voltage Substations
- Undertake investigations and development and implementation of innovative solutions
- Perform any other duties, tasks or projects the employer may assign to you, having regard for your skills, training and experience

Authority and Accountability

- Take care of your own health and safety and that of others. Comply with any reasonable instructions and apply Council's Safe Systems of Work consistent with the Responsibilities, Authorities and Accountabilities of your role; Policy and procedures are readily available but the SCADA Engineer is required to choose the appropriate processes. Unusual problems may be referred for clarity of policy or direction
- Decisions affect the work and activities across a major function or a number of Units
- The work of the SCADA Engineer influences a number of separate community groups through policy application and development
- The SCADA Engineer has the authority to certify that works meet relevant statutory requirements and is accountable/liable for own actions or decisions, with any consequences (including legal) being borne by the individual
- Develops a complete budget for a section or a specific project. Responsible for costing resources/time/people and materials
- Monitor budgetary spending within work area, against pre- determined targets. Weigh up options on a cost basis in order to make recommendations and continuously look for greater efficiency within work area



Personal Attributes

- Give frank and honest feedback/ advice and seek to listen and understand when ideas are challenged
- Represent the organisation honestly, ethically and professionally and encourage others to do so
- Demonstrate a high level of personal motivation, take opportunities to learn new skills, develop strengths and examine and reflect on own performance
- Support initiatives that create an environment where diversity is valued

Interpersonal Skills

- Write fluently in a range of styles and formats and tailor communication to the audience
- Identify customer service needs, understand customer perspectives and implement responsive solutions
- Build cooperation and overcome barriers to information sharing and communication across teams/ units
- Lead and facilitate productive discussions with staff and stakeholders, encouraging others to talk, share and debate ideas

Business Enablers and Technical Skills

- Provide guidance, coaching and engage staff in change process and recognise cultural barriers that undermine change
- Use expertise and seek others assistance to achieve work outcomes
- Ensure current work plans and activities support and are consistent with organisational change initiatives
- Research and analyse information, identify interrelationships and make recommendations based on relevant evidence
- Ensure that actions of self and others are focused on achieving organisational outcomes
- Take account of financial implications and return on investment when planning financial transactions
- Support compliance with records, information and knowledge management requirements of the organization
- Be aware of procurement and contract management risks and actions to mitigate these
- Evaluate progress and identify improvements for future projects

Team Work

- Ensure team objectives achieve business outcomes that align with organisational policies
- Plan and monitor resource allocation effectively to achieve team objectives



Qualifications

Essential

- Degree in Electrical Engineering, Computer Engineering or equivalent tertiary qualifications and relevant experience
- Valid Construction General Induction Card – NSW Safework or equivalent
- Current Class C Driver's Licence

Desirable

- Microsoft Server certification
- CISCO network certification
- Schneider software training for Clear SCADA, RTU's, Radios and PLC's
- Schneider Electric PLC experience
- VMware experience
- SCADA experience
- Relevant Post Graduate Qualifications

Experience

- Demonstrated knowledge and experience in Telemetry System design, installation and maintenance
- Demonstrated experience in SCADA and HMI programming, configuration, testing and commissioning
- Demonstrated knowledge in RTU software development and commissioning
- Demonstrated knowledge in the design operation and maintenance of low voltage assets
- Highly developed research, analytical and problem solving skills including an ability to develop and implement innovative solutions
- Demonstrated project management, planning and organisational skills
- Demonstrated report writing skills



Key Relationships

Internal	External
Section Managers/Team Leaders	Professional/Industry associations including Unions
Other Council employees (not including direct reports)	Consultants and other professionals
	State and Federal Government Agencies

