



Job Profile

Electrical Technician

Group: Finance, Commercial & Digital

Job Summary

To be completed by People and Culture team			
Job Family	Engineering	Career Stage	D
Job Function	Generalist Engineering	Career Stream	Professional
Coverage EA = Enterprise Agreement ICE = Individual Contract of Employment	EA	Last Modified Date	15/02/2023
To be completed by Manager ~ (Team Size relates to People Leadership)			
Work Environment	Hybrid	Team Size	
People Leader	No	Indirect Team Size	

Who we are

At Sydney Water, we exist for our customers. We're more than 3,500 people working together, striving to do more and be better—better for the environment, our customers, our people, and our water. Our people are passionate about working together, and driving agility, accountability, innovation, sustainability, and exceptional customer experiences.

Sydney Water is the main provider of water, wastewater, recycled water, and stormwater services in Greater Sydney. Our employees are dedicated to our customers, ensuring services are reliable and affordable, we are proactive and easy to engage with, forward-thinking, and environmentally focused.

Working with us means helping to provide essential services, safeguarding Sydney's future with a sustainable water supply, and protecting our iconic waterways. Our strategy guides our journey to enhance customer outcomes and continue delivering robust services to our city into the future.

Job Purpose

The Digital – Operational Technology - Instrumentation, Automation and Control Services Team, (IACS) provide specialist services to Sydney Water for SCADA monitored Network Facilities ACS provide a total provision of service Projects to our key customers for critical infrastructure and innovative solutions for Projects in all areas of SCADA Field Support, Telemetry, Instrumentation, IoT, and Flow monitoring. The Electrical Technician role will assist the Instrumentation Automation and Control Services business deliver ongoing Project work on behalf of Sydney Water.



Job Specific	As an Electrical Technician, you will be required too: • Apply SWC isolations and safety procedures while working on assets. • Implement quality procedure – ITP's, FAT and SAT Documentation • Inspect site works, electrical cubicles and site electrical wiring for standards compliance. • Supervise the undertaking and completion of minor civil and electrical work, ensuring they meet electrical standards and followed Sydney Water procedure. • Assist IICATS/SCADA Field Commissioning Engineers to commission assets after modification work • Perform minor electrical project work as required. • Interpret and deliver scopes of work to achieve successful outcomes including scope validation, quotation preparation, materials procurement, resource assignment • Produce and Implement Interim Operating Plans to deliver project work on Operational Assets to manage significant risks related to asset performance – customer, environment, safety • Contribute and provide an active involvement in project team activities. • Undertake field activities, including fault finding, in line with relevant work instructions and standards. • Accountable for managing and responding to live sites, including making decisions ensuring contingency plans are in place and correct equipment available. • Update and review work procedures and reports where required. • Be an active member of the team and provide verbal and written inputs at “Tool Box” talks and project resource scheduling
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Education / Qualifications

Required	•
Desired	•

Certifications / Licences

Required	• A Valid NSW Electrical licence with working knowledge of the latest version of AS/NZ 3000 wiring rules. • A current NSW drivers' licence
Desired	• Industrial Instrumentation certificate Desirable • A valid/ ability to obtain a current confined spaces certificate. • A valid/ ability to obtain an OHS White card

Experience

Required	• Minimum 10 years demonstrated experience in the installation of electrical equipment in an industrial environment • Minimum 10 years demonstrated experience in switchboard wiring and modification of power, control and instrumentation circuits. (VSD's, Soft Starters, PLC's, RTU's, Instrumentation) • Extensive experience demonstrating the ability to interpret electrical drawings and implement the changes to a completed functional asset as per design without impacting asset operation and customer services. • Demonstrated ability to interpret electrical drawings to perform modification to wiring within switchboards and document any modifications • Demonstrated ability to maintain operation of working assets while performing upgrade work • Demonstrated experience working under limited direction and to deadlines • Experience with telemetry and interfaced SCADA systems and wiring desirable • Experience with instrument calibration procedures and relevant Australian Standards desirable • Ability to supervise minor electrical construction related civil works as required • Knowledge of the water cycle and wastewater desirable • Effective written and communication skills • There may be physical requirements of the role that may not be suitable for all candidates.
Desired	•



Capabilities and Skills

The capability and skill requirements for this role are identified in the skills profile listed below. This is comprised of Enterprise Capabilities, that are essential for all roles and functional skills, which are specific to each role.

Enterprise Capabilities (C-E)			
Capability	Descriptor		
Accountability	Ensures that own actions and those of others are focused on achieving goals and owning the outcome, in a safe, inclusive collaborative way.		
Agility	Adapts readily to change and encourages alternative views by using a range of interpersonal communication skills. Develops and coach's others while being aware of impact on others.		
Innovation	Develops innovative outcomes to solve problems in ways that are not immediately evident and encourages new ideas and thinking in others.		
Functional Skills			
Skill	Priority	Essential or Desirable	Proficiency level
Electrical Engineering	1	Essential	Intermediate
Electrical Connections	2	Essential	Intermediate
Electrical Codes	3	Essential	Intermediate
Electrical Wiring	4	Essential	Intermediate
Electrical Diagrams	5	Essential	Intermediate
Troubleshooting (Problem Solving)	6	Essential	Intermediate
Electric Power Systems	7	Essential	Intermediate
Engineering Design Process	8	Essential	Intermediate
Circuit Design	9	Desirable	Intermediate
Writing	10	Desirable	Intermediate
Proficiency Level Descriptors			
Developing - Building practical experience, needs continued coaching.			
Intermediate - Independent execution, minimal guidance.			
Advanced - Fully independent execution, coaches' others.			
Mastery - Strategic, sought as expert internally and externally.			

Additional notes

Sydney Water takes the safe provision of its services to the public and the protection of its information assets extremely seriously. As a Sydney Water employee, you are required to understand your obligations under the [Acceptable Use of Information Technology Policy](#) and how Sydney Water's Information Technology is to be used. You must also help keep your workplace secure by ensuring you do not enable non-authorised people access to sites, maintain the integrity of locked entries and exits, and where appropriate, alarms being engaged.

Sydney Water requires all users to embrace and adhere to all enterprise and protective security policies, awareness programs and frameworks for Sydney Water assets.