



Job Profile

Instrument Technician

Group: Finance, Commercial & Digital

Job Summary

To be completed by People and Culture team			
Job Family	Information Technology	Career Stage	D
Job Function	IT Support	Career Stream	Operational
Coverage EA = Enterprise Agreement ICE = Individual Contract of Employment	EA	Last Modified Date	5/08/2021
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

Provide technical expertise in the operation, maintenance, calibration of closed conduit, hydrometric and SCADA instrumentation, and the provision of data and related services from water and wastewater networks



Job Specific	• Undertake data processing and validation tasks. • Apply SWC isolations and safety procedures while working on assets. • Undertake integration tests for RTU/PLC control sequences • Inspect site works, electrical cubical and site electrical wiring. • Assist IICATS/SCADA Field Commissioning Engineers to commission assets • Ability to undertake minor electrical project work as required • Interpret data and provide timely reporting on recorded information. • Contribute and provide an active involvement in project team activities. • Undertake field activities in line with relevant work instructions and standards. • Maintain specialised flow measurement and monitoring equipment in accordance with work procedures. • Report via SWC Maximo (maintenance system) on trunk mains flowmeters. • Complete required duties on time and to specification. • Write and review work procedures and reports where required. • Provide verbal and written inputs at “Tool Box” talks and project resource scheduling • Service and maintain ancillary equipment at IICATS trunk main sites and update Instrumentation database as required. • Utilise and provide improvements through the quality system
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Role Requirements

Education / Qualifications

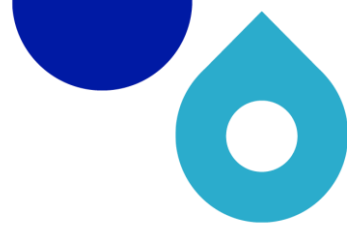
Required	Industrial Instrumentation and a Valid NSW Electrical licence with working knowledge of the current version of AS/NZ 3000 wiring rules.
Desired	

Certifications / Licences

Required	- A current NSW drivers licence - A valid/ ability to obtain a current confined spaces certificate. - A valid/ ability to obtain a OHS White card
Desired	

Experience

Required	- Minimum 5 years demonstrated experience in the installation, operation, calibration and maintenance of Industrial Instrumentation field equipment. - Demonstrated ability to develop innovative methods of data analysis, management and reporting - Minimum 5 years demonstrated experience in the installation, operation, calibration and maintenance of Industrial Instrumentation field equipment. - Demonstrated ability to interpret electrical drawings and realise to a completed functional asset - Perform calibration and maintenance procedures for closed conduit flowmeters - Demonstrated ability to develop innovative methods of data analysis, management and reporting - Experience with RTU logging equipment and sensors - Demonstrated experience working under limited direction and to tight deadlines - Experience with telemetry and interfaced SCADA systems - Experience with instrument calibration procedures and relevant Australian Standards - Ability to supervise minor electrical construction related civil works as required - Knowledge of the water cycle and wastewater systems - 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
Equipment Maintenance	7	Desirable	Intermediate
Engineering Design Process	8	Essential	Intermediate
Electrical Automation	9	Essential	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.