

MELBOURNE WATER POSITION DESCRIPTION

Senior Control Systems & Asset Manager, Project Development

REPORTS TO:	DIRECT REPORTS AND TEAM SIZE:
Area Lead, Project Development, Operational Technology	This role has 0 direct reports Co-ordination of Contractors and Casuals under a matrix management structure
THIS ROLE EXISTS TO: (PURPOSE)	
<p>Using extensive experience and consideration of commercial consequences to provide analysis of service performance and insights to Asset Managers working across the Service Delivery Lifecycle to deliver and drive innovative, effective and efficient asset management outcomes for the business through project development.</p> <p>Provide technical leadership in Operational Technology (OT) Assets, co-ordination and oversight of their complex program of technical projects and discipline(s) in collaboration with the broader business and consistently driving for results in challenging environments.</p>	
KEY ACCOUNTABILITIES:	
<p>Taking care of own and colleagues Health and Safety through identification and reporting of hazards and active involvement in improvement initiatives.</p> <p>Autonomously: Perform the control system Subject Matter Expert (SME) function Perform the Asset Manager functions</p>	
KEY RESPONSIBILITIES	KPIs
<p>Control System SME Functions</p> <ul style="list-style-type: none"> • Be the SME and central point of technical and knowledge excellence for OT Asset Class(s) for Melbourne Water Operations & Maintenance teams and assigned complex projects as required (e.g. complex projects, or condition and incident investigations). • Work collaboratively with Team Leaders, Asset Management Principals and asset management interfaces leads across Melbourne Water to ensure effective end-to-end program development, prioritization and delivery of programs • Lead the implementation and management of the OT Cyber Security program across MW Sewage, Water & Drainage sites • Management of Changes, Quality control & Documentation of Programming Code libraries • Lead the qualification of new technology systems/devices 	<ul style="list-style-type: none"> • Be the person for assigned Capital Delivery projects for technical queries for Asset class & standards questions • Participation & contribution in Asset Management forums • Co-ordination of Cyber security based projects • Updated Programming Libraries • Management of new product assessment/certification projects

Job level: Hay 16/SOA
 Assessed by: P&C
 Dates Assessed: October 2019
 Date Reviewed: March 2021

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<ul style="list-style-type: none"> • Management of the Melbourne Water OT Asset code and configuration version control system • Provide OT technical leadership during Functional Design input for Major Capital Projects • Lead approval of low risk capital control system design ensuring systems to ensure they conform to the MW and industry control system standards 	<ul style="list-style-type: none"> • Ensures Projects assigned correctly utilised MW Program version control system • Creation and subsequent approval of FRs (Functional Requirements) for assigned projects • Project Online FR approvals
<p>Asset Manager Functions</p> <ul style="list-style-type: none"> • Lead the development asset renewal and optimisation business cases for Capital Projects to meet business requirements and budgets by taking a service and long term (3-5 years) view across the asset renewable program, through: <ul style="list-style-type: none"> • Development of BNIs and PBCs, including understanding of strategic intent, development of budgets and schedules (working with delivery groups), options analysis. • Lead development of functional requirements for business case phase • Lead scheduling and implementation of the OT Asset renewals program. • Consultation and collaboration with Operations, IT, Low Risk Capital Governance, Major Projects and Planning • Work collaboratively with Team Leaders, Asset Management Principals and asset management interfaces leads across Melbourne Water to ensure effective end-to-end program development, prioritization and delivery of programs • Lead the implementation of efficient and effective capital program (3-5 years in scope) , including prioritisation with the planning team. • Provide Asset Management input and demonstrate a thorough understanding of the OT Asset standards & strategies (AMPS) • Work with Planning to develop and maintain of management strategies/regimes for assets that 	<ul style="list-style-type: none"> • Creation of WP Asset renewal BNIs (Business Need Identifiers) for assigned projects • Creation of FRs (Functional Requirements) for assigned projects • Scheduling and delivery of Renewals projects • Participate in MPD, wholesale services, service provider meetings and initiatives • Creation and management of yearly project implementation program • Implementation program in place and updated • Annual review completed of MW OT Asset Standard documents

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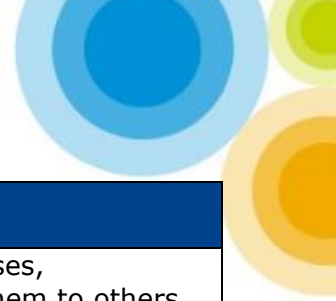


<p>articulate criticality, operating envelopes, cyber security risk, management regimes and replacement approach and ensure scheduling by Service delivery to ensure required levels of service are met.</p> <ul style="list-style-type: none"> • Technically Support Renewal & Major Projects including involvement in CHAZOP/HAZOPs, acceptance testing where appropriate • Participation in MW strategic project initiatives • Lead the monitoring of OT Asset Health and trends and referral/support Wholesales Services for rectification • Provide OT technical leadership in incident investigations and RCA and develop solutions for asset maintenance issues. • Triage of Information requests and actions (Service Requests, Iris Actions) and ensuring requests are assigned to the appropriate program with correct prioritisation • Support and work within Melbourne Water’s Management of Change process and systems • Support Operations teams with Asset technical questions & problem/issue resolutions • Compliance with capital management systems and process, including management of project forecasting and other reporting requirements until projects are handed over to delivery. • Support project delivery with asset management technical knowledge and oversight of project intent. • Acceptance of new assets through Handover processes, including acceptance of meeting of functional requirements and acceptable quality, ensuring handover of necessary spares post project completion to MWC stores as required. • Undertake the review of water & sewerage OT service risk profiles and the preparation of the Service Capability Report for those services. 	<ul style="list-style-type: none"> • Ensure Preventative Maintenance is in place for assigned asset classes • Assigned Capital Delivery projects as the OT technical representative • Be the OT representative for any assigned MW initiatives • Co-ordination with Operations to address failures to Control & Security assets. • Participate in any assigned investigations • Closed Maximo SRs & IRIS action items • Demonstrated utilisation of the MW Management of Change system • Closed Maximo SRs & IRIS action items • Completeness of PMO Project Online system projects • Asset Management training completeness • Asset Database completeness for assigned projects • Participate in yearly MW State of the Assets Workshops for assigned sites
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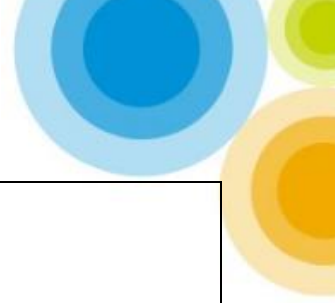
SKILLS, KNOWLEDGE AND EXPERIENCE REQUIRED:

- Requires breadth and depth of understanding techniques, concepts, processes, methodologies, systems and tools and is more than capable of explaining them to others
- Extensive knowledge and experience of SCADA and PLC control systems including their development, coding and testing
- A comprehensive knowledge of one or more of the following - Siemens PCS7, S7 300, S7 400, Rockwell Control Logix, PLC5 and MicroLogix, GeFanuc 90/70 90/30 Rx3i PLC's and systems and their application (other PLC or DCS experience may be an acceptable alternative).
- Knowledge of Building Access, Control and Identification (BACID), Closed Circuit Television (CCTV) and Video Management Systems (VMS), Telemetry and Radio systems.
- Knowledge of Operating system lifecycles, virtualised environments, Ethernet and Fieldbus networks.
- Proven experience in the design development and/or maintenance of complex electrical, automation and instrumentation systems.
- Experience and knowledge of project planning, management and business case preparation
- Ability to critically explore and analyse solution options and associated financials (eg NPV, construction estimates)
- Knowledge and proven application of general asset management processes and risk assessment techniques related to large scale infrastructure management including CHAZOP, RCM etc.
- Proven history of working as a collaborative team member and working in a constructive culture to achieve customer centric outcomes.
- Strong interpersonal skills together with excellent verbal and written skills.
- Ability to facilitate training sessions and coach and mentor others in Control & Security Assets and Asset Management process.
- Demonstrate initiative and ability to prioritise and perform complex professional/technical work with limited supervision and exercise professional/technical judgement.
- Ability to influence decision making and provide guidance.
- Knowledge and proven experience in Whole of Life Asset Management and large scale infrastructure planning.
- Highly developed interpersonal skills together with excellent verbal and written skills
- Experience with corporate IT systems (e.g., MS Office, Maximo, MapInfo etc)
- Provide technical guidance and oversight in relation to complex works, projects and programs
- Demonstrate initiative and ability to self-prioritise and perform complex professional/technical work
- Demonstrated and proactive Health and Safety leadership and a personal commitment to Health and Safety procedures, policies and plans.

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KEY RELATIONSHIPS:

All Melbourne Water employees are responsible for managing aspects of our customer/stakeholder relationships and service interactions, and will work proactively to deliver a consistent customer experience.

INTERNAL

- Consult and constructively work with Asset Management Principles, Operations, Maintenance, Major Program Delivery, Low Risk Capital, Governance, Planning and Business Services teams.
- Ability to work across teams and develop strong working relationships broadly across Melbourne Water

EXTERNAL

- Assist in the management of specialist consultants and specialist service providers.
- Consult and constructively work with Melbourne Water partners in delivery of capital projects.
- Liaise and consult with other interested agencies (e.g. Local government, Worksafe, etc.)

SALARY RANGE:

- Melbourne Water reserves the right to remunerate people according to their ability to perform the functions of the role based on their qualification, skills and experience.

OTHER COMMENTS:

This role requires the following:

- Tertiary degree in relevant engineering field or extensive experience in Industrial Control Systems
- Criminal Records Check
- Medical Assessment
- Current full Victorian Driver's License
- Travel to various Melbourne Water sites – e.g. treatment plant sites and transfer sites

Location: 990 Latrobe Street, Docklands, Victoria. Work at other metropolitan sites can be requested, to carry out the duties and function of the position – subject to consultation and agreement with Manager.

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