



Position Description

Position Title:	Principal Mechanical Engineer	Classification Level:	Specified Calling Level 5
Position Number:	00030406	Reports to:	Principal Architect, SCL6
Directorate:	Buildings and Contracts	Supervises:	0 FTE
Branch/Section:	Building Technical Services	Location:	Perth Metropolitan Area

Our Vision

We serve Western Australia to deliver what is needed today to achieve a better tomorrow

Our Purpose

To lead and deliver services on behalf of the Government and for the benefit of the community



Empathy Collaboration Growth Clarity

Our Values

Our values define who we are, how we communicate, interact, develop and work together. Our values underpin everything we do.

Our values are **Clarity, Empathy, Collaboration** and **Growth**.

As a central government agency with a State-wide presence, Finance leads and delivers services to the Government, public sector agencies and the community, and places customers at the centre of its focus.

Services include strategic policy advice, building and managing major community infrastructure and government office accommodation, leading, and supporting government procurement, collection of revenue and administration of grants and subsidies, and delivery of corporate services.

Role summary

Provide strategic and technical leadership and direction on mechanical engineering aspects of non-residential government buildings to contribute to the delivery of high quality, fit-for-purpose, value-for money efficient and sustainable buildings for government, maintained and operated to the optimum level.

Establish and promulgate appropriate design standards, briefs and guidelines for mechanical engineering components of non-residential government buildings, provide technical expertise in the management of engineering design and documentation and review frameworks to ensure good design outcomes are achieved.

Your responsibilities

The successful applicant will be expected to:

Best Place to Work

- Provide leadership to the team by modelling Finance's values in all interactions to foster an innovative, customer focused, high performing and values-led organisational culture.
- Inspire excellence by aligning the team with departmental objectives, capability requirements and customer needs; fostering diversity, flexibility, and opportunity; and promoting health and wellbeing.
- Create a safe environment that enables members to flourish, where expectations are clear, where team is open to giving and receiving feedback with an aim to deliver fit-for purpose services aligned with Finance objectives.
- Ensure resources are used efficiently and effectively. This includes understanding team and individual's strengths, recognising achievements and challenging individuals to grow and develop.
- Lead and drive accountability in the team.
- Provide leadership which includes providing ongoing coaching, positive reinforcement and constructive feedback, capability building and management.
- Provide Corporate Executive team with briefings and advice to influence and guide contemporary strategy and implementation.
- Represent Finance on boards and committees.

Customer Centric

- Work proactively with customers to lead the delivery of relevant, contemporary, and professional services and governance.
- Work collaboratively to achieve common goals and best practice and lead continuous business improvement and innovation.
- Ensure meaningful and appropriate communication with all customers and stakeholders.
- Develop and implement practices that deliver customer centric services required in an ever-changing environment.
- Proactively develop contemporary strategies and policies by identifying and implementing contemporary solutions to real-world situations.
- Proactively guide, influence, and manage customer/stakeholder expectations to ensure that deliverables are high-quality, fit-for-purpose and aligned with Finance objectives.

Outcomes Focused

- In collaboration with the Principal Architect, lead and direct mechanical engineering components of the Finance scoping, design, and documentation review process in the delivery of non-residential government buildings and the assessment of associated proposals.
- Contribute to policy development and strategic planning processes.
- Provide strategic and technical input into the engagement of appropriate engineering consultants, prioritising the achievement of value for money, fit-for-purpose and performance outcomes to suit specific building projects.
- Develop specifications and briefs for mechanical systems to be included in procurement and tender documents for mechanical engineering design.
- Undertake reviews of project specific scoping, design, construction, installation and commissioning.
- Provide advice, including written reports, to Department of Finance project managers, agency representatives and consultants regarding sustainable and 'value for money' options for cooling, heating and ventilation systems at all stages of the procurement process, using whole of life analysis principles and a holistic approach to maintenance/operation capabilities.
- Undertake post occupancy evaluations related to mechanical engineering services.
- Advise on innovative mechanical engineering proposals including ventilation-only options and associated physical building elements including passive enhancements (e.g. thermal mass) ensuring whole of life cycle cost analysis.
- Maintain a dialogue with relevant industry representatives including researching and disseminating new and existing standards to support and improve Finance's procurement and delivery processes.
- Lead negotiations with senior representatives of industry and client agencies to achieve Finance objectives and secure sound, 'value for money' engineering design outcomes.
- Drive best practice and innovation through research and energy benchmarking to inform high quality sustainable engineering outcomes and processes.
- Advise on solutions for construction and maintenance/operation problems to improve technical performance of building services. Conduct site visits at all phases of construction, installation and operation and produce project reports.
- Provide vision and leadership to Finance, the public and private sector, and industry on good mechanical engineering design delivering sustainable buildings and infrastructure of social and economic value.
- Assist with the development of suitable procurement strategies and the efficient implementation of Building Information Modeling (BIM) in BMW projects. Participate in the ongoing assessment and improvement of BIM practices to ensure maximum value is added to projects and future enhancement of facility management.
- Perform other duties as directed.

What you need to bring to this role

To be read in the context of the preceding sections of this document. A clear demonstration of how you align with the Department's values is a prerequisite for appointments.

Essential

Shape and Manage Strategy

You will have extensive conceptual, analytical, and strategic problem-solving skills with the ability to lead the development and management of strategies.

You will have a Degree in Mechanical Engineering and eligibility for corporate membership of the Institution of Engineers.

You will have extensive mechanical engineering experience relevant to the design, construction and/or operation of commercial buildings.

You will have experience in energy modelling and comparative analysis of life cycle costs, energy efficiency, value for money considerations, and low maintenance attributes, for buildings.

Achieve Results

You will establish clear plans and timeframes; build teams with capability to deliver results; and monitor progress to identify risks which may impact on outcomes or individual client/ business requirements.

You will have demonstrated strategic leadership skills to inspire and influence; leverage expertise and resources to achieve quality outcomes.

Build Productive Relationships

You will have demonstrated leadership ability to work collaboratively, harness the contribution of others by encouraging and motivating people.

You will have demonstrated ability to build effective relationships by anticipating and being responsive to client needs; and foster a positive team and organisational environment.

Exemplify Personal Integrity and Awareness

You will have demonstrated self-awareness, accountability, and commitment to contribute to departmental values in the delivery of quality outcomes.

Communicate and Influence Effectively

You will have demonstrated ability to influence effectively and lead the delivery of a customer-centric service. You will seek to understand your audience; ensure a strong grasp of issues and clear facilitation of debate when undertaking negotiations.

You will have demonstrated high-level written and verbal communications that are clear and appropriate including technical report writing and presentation skills.

Desirable

Comprehensive skill, knowledge, and experience in the following:

Design, documentation, project management, contract management, procurement, supervision, and operational problem solving related to mechanical engineering and ventilation systems for non-residential buildings.

National and international codes and standards for mechanical engineering design, safety and indoor air quality standards; building commissioning and tuning; maintenance of installed mechanical systems; building management system specification, procurement and operation.

Software including the Microsoft Office suite and Building Information Modelling (BIM) software in mechanical engineering projects.

Pre-employment requirements

Australian Permanent Residency status is a minimum requirement for permanent appointment to the WA Public Sector. However, for appointment on a fixed term contract or casual basis, applicants only require a valid Work Visa for the duration of the entire advertised term.

Appointment is subject to:

- 100 point identification check; and
- Criminal Records Screening clearance

Special equipment/requirements

Nil

Certification

Verified by: D Terte, HR Officer, Aug 2022

Classification Evaluation Date: Oct 2015