



## Position Description

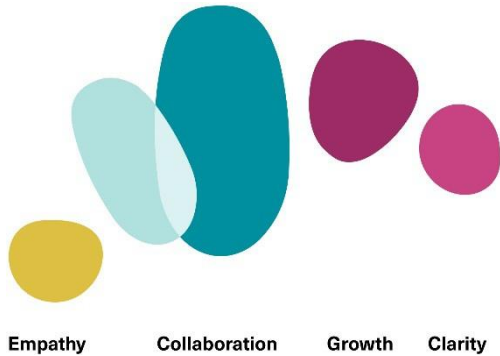
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|------------------|----------------------------------|-----------------------|---|
| Position Title:  | Technical Advisor<br>Engineering | Classification Level: | Specialist Position                     |
| Position Number: | 00033234                         | Reports to:           | 00032448, Principal<br>Project Director |
| Directorate:     | Major Projects                   | Supervises:           | 1 – 10 FTE                              |
| Branch/Section:  | Women and Newborns<br>Hospital   | 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.



### 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 Statement

The Technical Advisor Engineering has been created in the Department of Finance's (Finance) Major Projects directorate to provide and lead technical expert advice that supports the delivery of the \$1.8 billion Women and Babies Hospital Project (WBHP).

The Technical Advisor Engineering will advise the State on the engineering services design for the new hospital. An extensive technical skillset is required for this position including building engineering services, design, construction, and commissioning. (mechanical, Hydraulic, Electrical, acoustics, infection control and prevention).

Prior experience in complex health infrastructure engineering or similar is a requirement for this position. Extensive understanding in major health project delivery needs and of the industry with well-established relationships with consultants, contractors and other stakeholders is also essential. The position holder will have substantial prior experience in health-related settings and will have to possess a strong knowledge and ability to work in these environments.

The role will complete the works to the approved scope, budget, and timeframe and in accordance with government policy and high industry standards.

Recognising the complex nature of this project, the requirement to consult and work with a diverse set of stakeholders with various needs and different objectives will continue throughout the design and delivery phases of the project. Stakeholders include the Director General and senior officers at the Department of Health, Health Service Providers, and the Managing Contractor.

## Role Summary

The Technical Advisor Engineering will ensure the highly technical requirements of the design, construction, testing and commissioning of the hospital engineering infrastructure are compliant in meeting operational readiness and all contractual and regulatory requirements.

The Technical Advisor Engineering will provide technical engineering services to the Principal Project Director and the rest of WBHP team including advice related to:

- building services design, installation, and commissioning;
- compliance with project brief;
- progress compliance and quality of engineering services works; and
- integration of engineering services, systems, and equipment.

The Technical Advisor Engineering will be required to lead the technical engineering aspects of the entire WBHP consistent with the Department of Finance's values.

The position holder will be responsible for the planning, control and execution of all engineering related aspects of the project followed by all necessary processes and procedures and other documentation, systems, and tools necessary to enable project delivery.

## Communications

Extensive internal and external stakeholder engagement will be important in the success of this role. The Technical Advisor Engineering will regularly liaise with senior executives of Finance including the Principal Project Director WBHP, Executive Director Major Health Projects; the Deputy Director General Major Projects, as well as senior executives of Health.

They will consult and negotiate with functional and operational areas within Finance, Health and the HSPs to ensure a joint and coordinated approach to project development and delivery. This will include liaison, consultation and negotiation with external stakeholders including the managing contractor, consultants, and other government agencies to achieve project objectives.

The position will ensure the development of strong productive working relationships for project staff in respect to technical and quality assurance issues for the project, contract delivery and will resolve issues with key stakeholders as needed.

Liaison will also need to include clinical input and consulting those with lived experience as part of the collective input into planning, design, and construction.

In order to ensure that the digital aspects of the WBHP meet the stakeholder expectations and align with all applicable standards and guidelines, the position holder must collaborate, negotiate, and network with:

- the vendors, who are the suppliers of the products and services that will be implemented in the WBHP project;
- clinical and allied health staff and all users of systems within the various health services; and
- the end users.

Stakeholder views and feedback will have to be considered in the planning, design, development, testing, implementation, and evaluation of the engineering and digital components of the project.

## Challenges

The key challenges of this position include:

- managing complex, competing priorities and expectations of key stakeholders and negotiating project outcomes while maintaining strategic relationships with the health industry and representatives to ensure technical and business specific requirements are met by the project design and delivery;
- highlighting lessons learnt from previous major health projects throughout the design phase to avoid recurrence of issues;
- continuous quality control monitoring through all phases of the project;
- maintaining visibility of proposed amendments to project scope and providing advice on potential risks of such amendments to the project and viable solutions to mitigate these risks;
- managing the Tier 1 builder within the project brief requirements as this position will be responsible for checking, researching, and understanding the advice provided by major builders and contractors to ensure that the advice is sound; and
- maintaining zero tolerance for compromise on repeatability on critical infrastructure systems commissioning.

## **Knowledge, Skills, and Experience**

The Technical Engineering Advisor must have exceptional knowledge of major health engineering covering design, construction and commissioning, and the ability to refer to lessons learnt from other major health projects. In addition, the role specific requirements include:

- a wide range of engineering discipline knowledge including mechanical, electrical, hydraulic, fire, medical gas, vertical transport, and acoustic engineering;
- extensive knowledge of Australian Engineering Standards and Health Facility Guidelines which are subject to change on an ongoing basis;
- operational knowledge on Building Management Systems (BMS);
- knowledge and understanding of Chartered Institute of Building Services Engineers (CIBSE) commissioning codes;
- Health Infection Control and prevention knowledge;
- project management experience in dealing with multiple external technical advisors;
- knowledge of post commissioning optimisation of building performance;
- proven ability to establish networks and communicate and negotiate effectively with key high-level stakeholders in a complex infrastructure project environment;
- strong issues management and risk mitigation experience with a focus on solutions;
- a personal commitment to customer service, integrity and personal growth and learning;
- demonstrable, highly developed conceptual and analytical skills; and
- a graduate degree qualification or demonstrated extensive experience in Engineering relevant to major and complex capital works delivery in the health sector.

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## **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

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## **Special equipment/requirements**

Nil

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## **Certification**

Verified by: Tracey Jenkin, Senior HR Consultant, January 2024

Classification Evaluation Date: January 2024