

POSITION DESCRIPTION

Position Title:	Senior Project Engineer/Manager
Cluster / Business Unit / Division	Infrastructure and Engineering Services
Section or Unit:	Nuclear Medicine Manufacturing Facility Program
Classification:	Band 7
Position Description Number:	PD-2402
Work Contract Type:	Professional
STEMM/NON-STEMM:	STEMM

POSITION PURPOSE

The Senior Project Engineer/Manager leads and manages large projects to deliver engineering products/solutions for the Nuclear Medicine Manufacturing Facility Program and deliver a new nuclear medicine manufacturing facility to replace ANSTOs currently aging nuclear medicine production of all Technetium-99m generators, Lutetium-177, Iodine-131 and other clinical aseptic radiopharmaceuticals under good manufacturing practice (GMP) certification. This program will deliver a next generation manufacturing facility for ANSTO for sustainable Australian supply of nuclear medicine for the next 40 years.

ORGANISATIONAL ENVIRONMENT

ANSTO leverages great science to deliver big outcomes. We partner with scientists and engineers and apply new technologies to provide real-world benefits. Our work improves human health, saves lives, builds our industries, and protects the environment. ANSTO is the home of Australia's most significant landmark and national infrastructure for research. Thousands of scientists from industry and academia benefit from gaining access to state-of-the-art instruments every year.

The Infrastructure and Engineering Services group is responsible for supporting customers realise their business outcomes in delivering engineering projects in accordance with engineering business management systems ensuring delivery to required scope, quality, regulatory compliance, time, and cost. It provides engineering design expertise and delivery of projects and programs with independent oversight from a centralised Engineering Delivery PMO division.

ACCOUNTABILITIES & RESPONSIBILITIES

Key Accountabilities

- Develop and continuously review and maintain a comprehensive and effective strategy for the delivery of the NNMF Project.
- Develop and implement detailed project plans for the NNMF project, including preparation and control of budgets, scheduling, management of resources and tendering activities in accordance with the procurement guidelines.
- Deliver stakeholder focused solutions with the ability to influence, negotiate and liaise with senior staff including developing quality verbal and written reports and presenting to senior stakeholders.
- Provide quality project management and technically sound engineering services with the aims of satisfying the client requirements and all associated safety, quality assurance, commercial, technical, and regulatory requirements.

- Build quality working relationships with internal and external stakeholders, customers, suppliers and contractors and proactively respond to and resolve customer issues and complaints efficiently and effectively.
- Provide engineering and design analysis, justification of design and safety features and review of engineering work including developing proposals, concepts, detailed designs, manufacturing, installation and commissioning.
- Manage the preparation, revision, modification and approval of specifications, drawings and other documents as appropriate, and ensure that designs are carried out and reviewed by competent discipline specialists.
- Keep abreast of developments in nuclear science, infrastructure construction standards, legal and regulatory framework and suppliers of materials, equipment and services.
- Monitor developments and trends in the nuclear industry, with the aim of supporting ANSTO's commercial interests and identifying and supporting opportunities as well as proactively adapting the project delivery service to assist ANSTO with evolving business challenges.
- Commission new installations and undertake post-implementation review/inspection of completed works to ensure that all appropriate environment and technical standards, regulatory requirements and customer expectations and requirements have been met.
- Undertake additional duties as required and during periods of leave of other staff.

Decision Making

- The position works within a framework of legislation, policies, professional standards and resource parameters. Within this framework the position has some independence in determining how to achieve objectives of the unit, including deciding on methods and approaches, operations, project planning and allocation of resources.
- The position is fully accountable for the accuracy, integrity and quality of the content of his/her work provided, and is required to ensure that decisions are based on sound evidence, but at times may be required to make effective judgements under pressure or in the absence of complete information or expert advice.
- The levels of authority delegated to this position are those approved and issued by the Chief Executive Officer. All delegations will be in line with the ANSTO Delegation Manual AS-1682 (as amended or replaced).

Key Challenges

- Seeking innovative solutions to meet customer needs and managing customer expectations and requirements.
- Manage change management plan to ensure smooth transition and staff acceptance of new facilities and processes.
- Overseeing the work of others to deliver results to agreed requirements, budget and schedule.
- Develop, engage and retain capability and expertise of key staff for the duration of projects.
- Translate conceptual requirements into practical and functional infrastructure that satisfies internal or external, commercial project stakeholders.

KEY RELATIONSHIPS

Who	Purpose
Internal	
Manager/Executive	• Receive guidance and direction • Provide expert, authoritative and evidence based advice • Staff engagement and quality recruitment • Negotiate and report on budgets and resources consistent with strategic plans and goals

	Recommend and gain endorsement for plans and goals and other initiatives
Work area team members	- Provide expert advice and analysis on a full range of matters - Contribute to group decision making processes, planning and goals - Collaborate and share accountability - Negotiate and resolve conflicts
Indirect Reports (project team)	- Provide leadership, guidance and support - Set performance requirements and manage performance and development (where appropriate) - Engage to monitor trends, performance and progress for projects and evaluate further support which may be required to ensure project delivery
Other departments	Develop relationships with clients and staff in all areas of ANSTO to facilitate successful delivery of engineering projects within the NNMf Project
External	
Regulatory Bodies	Report to regulatory bodies including ARPANSA and the TGA when required
Other External	- Managing external suppliers, designers, trades staff - Managing customers when engaged in commercial work

POSITION DIMENSIONS

Staff Data	
Reporting Line	Reports to Engineering and Technical Director
Direct Reports	May have a small team of junior to mid-level engineers as direct reports.
Indirect Reports	Indirect Reports from Principal Consultants, manufacturers, suppliers and third-party engineers. Providing specific direction on work on a regular basis.

Financial Data (2024/2025)	
Revenue / Grants	N/A
Operating Budget	N/A
Staffing Budget	N/A
Capital Budget	Party responsible for \$100m in Hot Cell Equipment
Assets	N/A

Special / Physical Requirements	
Location:	Lucas Heights Working in different areas of designated site/campus as needed
Travel:	May be required to travel to different ANSTO sites from time to time May be required to travel both internationally and nationally
Physical:	Office based physical requirements (sitting, standing, minimal manual handling, movement around office and site, extended hours working at computer) Public speaking
Radiation areas:	May be required to work in radiation areas under tightly regulated conditions
Hours:	Willingness to work extended and varied hours based on operational requirements After hours work may be required for short and infrequent periods

Clearance requirements:	Satisfy ANSTO Security and Medical clearance requirements Obtain and maintain appropriate federal government clearance
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Workplace Health & Safety

Specific role/s as specified in <u>AP- 2362</u> of the ANSTO WHS Management System	All Workers Managers / Leaders / Supervisors Other specialised roles identified within the guideline a position holder may be allocated to in the course of their duties
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KNOWLEDGE, SKILLS AND EXPERIENCE

1. Degree in an engineering discipline or related tertiary qualifications and demonstrated extensive experience managing large complex projects and as a Nuclear Mechanical Engineer.
2. Extensive project management experience at project manager level or above (PMBOK).
3. Extensive contract management experience, including experience as a superintendent's representative on large construction projects.
4. Experience managing external design consultants.
5. Experience managing site construction and commissioning activities.
6. Knowledge and experience delivering engineering consulting services in a commercial environment.
7. Experience managing safety, regulatory and security aspects in large complex projects.
8. A strong customer service orientation.
9. Highly developed verbal and written communication skills.
10. Excellent negotiation, conflict avoidance and resolution skills.
11. Desire to seek and promote continuous improvement and willingness to implement change.
12. Effectively implement WHS requirements and develop a responsible safety culture.
13. Strong team focus.

VERIFICATION

This section verifies that the line manager and appropriate senior manager/executive confirm that this is a true and accurate reflection of the position.

Line Manager		Delegated Authority	
Name:	Mark Moore	Name:	Martin Little
Title:	Engineering and Technical Director	Title:	Program Director - NMMF
Signature:		Signature:	
Date:		Date:	