



## POSITION DESCRIPTION

<b>Position Title:</b>	Senior I&C Engineer
<b>Cluster / Business Unit / Division</b>	Infrastructure and Engineering
<b>Section or Unit:</b>	Project Delivery – Nuclear Medicine Portfolio
<b>Classification:</b>	Band 7
<b>Job Family:</b>	Engineering and Technical
<b>Position Description Number:</b>	PD-2624
<b>Work Contract Type:</b>	Technical
<b>STEMM/NON-STEMM:</b>	STEMM
<b>STEMM CATEGORY:</b>	Engineering

### POSITION PURPOSE

The Senior I&C Engineer provides instrumentation and control engineering insight and design solutions for capital projects in the Nuclear Medicine Portfolio. This role reviews project scopes from a controls and instrumentation engineering perspective, and what implications these projects may have on processes within Nuclear Medicine.

The Senior I&C Engineer also provides guidance to project engineers and project managers to ensure that projects have the correct information and advice at the start of a project. Throughout the lifecycle of the project, the Senior I&C Engineer reviews and signs off process drawings and documents. The Senior I&C Engineer also liaises with the Lead Engineers to ensure that all projects apply a similar methodology. This role will act as an I&C SME within the Nuclear Medicine Portfolio.

### ORGANISATIONAL ENVIRONMENT

ANSTO is a leading global nuclear science and technology organisation delivering world class research and expertise to benefit Australia and support a more sustainable future. Using nuclear science, we improve health, support industries, provide expert advice to government on nuclear technologies and help develop Australia’s nuclear workforce.

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 and the Office of the Chief Engineer.

The Nuclear Medicine Products (NMP) cluster which includes the commercial businesses of ANSTO Health and ANSTO Nuclear Medicine are part of the larger Nuclear Medicine and Commercial group. NMP generates revenue for ANSTO from the sale of nuclear medicine products and has a strong focus on meeting customer needs with timely and value added products and services.

### ACCOUNTABILITIES & RESPONSIBILITIES

#### Key Accountabilities

- As a recognised Subject Matter Expert, undertake I&C design analysis, justification of design and safety features and review of engineering work including proposals, concepts, detailed designs, manufacturing, installation and commissioning, operation and maintenance issues.
- As required undertake project leadership roles within the nuclear medicine portfolio at Program or Senior Project Engineer/Manager level.
- Mentor and guide engineers in project initiation, technical specifications, business case development, and cost-benefit analysis.

- Assess risks, costs and benefits associated with proposed solutions and the project delivery with the aim of achieving the desired outcome whilst having a positive impact on ANSTO's reputation.
- Oversee finalisation of projects by ensuring engineers in discipline undertake project evaluations and liaise with key stakeholders to identify defects, maintenance schedules and commissioning requirements.
- Support project leads, including frequent communication and assistance with conflict resolution and negotiation in order to produce sound focused technical solutions.
- Lead one or more major projects or tasks within projects including the management of the project or tasks, conception and development of project ideas and maintaining visibility of the project with internal and external stakeholders.
- Leverage project management skills to set goals and objectives, lead negotiations, manage and motivate multi-disciplinary or specialist project teams, disseminate specialist knowledge across the team, monitor and review work, co-ordinate cross divisional and external collaboration and ensure all milestones are achieved according to time and budget.
- Work in a highly collaborate way, needing to build and maintain ongoing productive working relationships with internal and external stakeholders.
- Maintain knowledge of industry best practice and technological developments, investigate and assess the relevance of developments and their benefit to the division and ANSTO.
- Undertake additional duties as required and during period 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 projects, 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 advice provided, and is required to ensure that decisions are based on sound evidence, but at times may be required to make rational judgements with limited 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

- Provide quality customer service and manage customer expectations where there is a high workload and limited resources.
- Ensure compliance to a variety of both internal and external policy, guideline and regulatory requirements.
- Develop a technically competent and workable solution requiring a diverse range of knowledge and experience in a nuclear environment.
- Managing quality, cost, time and resources for multiple project tasks and jobs.
- Keeping abreast of recent developments in the field, ensuring continual improvement and implementation of best practise.
- Maintaining key customer relationships and needs, response times and delivery efficiencies.
- Overseeing the work of others who may not be direct reports to deliver results to agreed requirements, budget, and schedule.

#### KEY RELATIONSHIPS

Who	Purpose
<b>Internal</b>	
Manager	<ul style="list-style-type: none"> <li>• Receive guidance and direction</li> <li>• Provide expert, authoritative and evidence based advice</li> <li>• Staff engagement and quality recruitment</li> </ul>

	<ul style="list-style-type: none"> <li>• Negotiate and report on budgets and resources consistent with strategic plans and goals</li> <li>• Recommend and gain endorsement for plans and goals and other initiatives</li> </ul>
Work area team members	<ul style="list-style-type: none"> <li>• Provide expert advice and analysis on a full range of matters</li> <li>• Contribute to group decision making processes, planning and goals</li> <li>• Collaborate and share accountability</li> <li>• Negotiate and resolve conflicts</li> </ul>
Direct and indirect Reports	<ul style="list-style-type: none"> <li>• Provide leadership, guidance and support</li> <li>• Provide I&amp;C Engineering advice</li> <li>• Engage to monitor trends, performance and progress against the strategic plan and evaluate further support which may be required to ensure delivery against the plan</li> </ul>
Other departments (ANM and ANSTO Health Projects)	<ul style="list-style-type: none"> <li>• Engage and collaborate with all levels of staff to meet project milestones and constraints</li> <li>• Comply with regulatory and system requirements specific to the pharmaceutical industry</li> </ul>

## POSITION DIMENSIONS

Staff Data	
Reporting Line	Reports to the Portfolio Manager Nuclear Medicine
Direct Reports	3-4
Indirect Reports	May vary depending on the projects and work allocated

## Financial Data (2025-2026)

Revenue / Grants	
Operating Budget	
Staffing Budget	
Capital Budget	As defined by the projects allocated
Assets	

## Special / Physical Requirements

Location:	Lucas Heights
Travel:	May be required travel to ANSTO sites from time to time
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 Shift work 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

## Workplace Health & Safety

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

**KNOWLEDGE, SKILLS AND EXPERIENCE**

1. Degree in Electrical Engineering (Qualification acceptable to the Institute of Engineers Australia).
2. Chartered Engineer or Significantly along the way to being chartered
3. Demonstrated experience installing and qualifying complex control systems.
4. Extensive Project Management experience, including prior experience delivering I&C engineering solutions for an industrial, manufacturing, pharmaceutical or nuclear facility
5. Experience working under ISO 9001 quality standard, ARPANSA and TGA regulations; project planning and change management.
6. Understanding the importance of Work, Health and Safety, Environment, Quality and Regulatory requirements.
7. Meticulous, strong analytical and problem solving skills.
8. Good communication and collaboration skills whilst working in a team environment.
9. Willingness to pro-actively share knowledge, information and insight with team members.
10. Demonstrated ability to initiate and manage change, allocate resources effectively and identify and manage risks.

**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.

<b>Line Manager</b>		<b>Delegated Authority</b>	
Name:	Kaitlyn Gunderson-Briggs	Name:	Alec Kimber
Title:	Portfolio Manager, Nuclear Medicine	Title:	Head of Project Delivery
Signature:		Signature:	
Date:		Date:	