Position Description

Position: Senior Component Engineer
Department: Engineering
Reports to: Engineering Services Lead
Direct Reports: None

Position purpose:

The primary purpose of the Senior Component Engineering role is to leverage the incumbent's specialised skills to work through multiple, simultaneous and complex situations. The role collaborates with an interdisciplinary team to execute product designs from concept to obsolescence.

A key aspect of the role is managing the component lifecycle including the monitoring, identifying and pro-active resolution of lifecycle issues. Assisting various teams across the business to identify appropriate resources and substitutes for components with long term supply shortages or that are in the process of being phased out is also a very important aspect of the role.

The incumbent will also provide leadership, coaching, support, and development of team members across the Engineering team at a technical level. This includes aligning, motivating, and inspiring our next generation of engineers.

Key responsibilities:

- Working with Internal and External Customers
    - Fully understand the internal and external customer relationships and requirements.
    - Understands stakeholder needs and expectations and monitors for changes in stakeholder requirements.
    - Manage stakeholder expectations at all levels of the business.
- Leadership
    - Lead team members through investigation, planning and implementation of design solutions that meet customer needs.
    - Provide leadership coaching, support, and development of other team members across engineering.
    - Identify and implement opportunities for improvement within the team.
- Product Design
    - Support the development and maintenance of product lifecycle data including accurate bill of materials. Ensure maximum benefit of component use across the product portfolio.
    - Manage the introduction of new components into Enatel's component library and ultimately new product design. Ensure components are selected in line with overall organisational strategy having considered both technical requirements, cost, design for supply and risk.
    - Provide ongoing component engineering support as products move through the growth, maturity and decline phases, ensuring continued supply of product in a timely way.
    - Actively monitor and manage component obsolescence risk and ensure that component obsolescence plans are put into place to address end-of-life before they become an issue for supply.
    - Understand and communicate trends in components technology, supply, and costs to enable better designs and improved design for supply.
- Value Add and Value Engineering

    - Work with cross-functional teams to identify opportunities for adding value to existing solutions including the reduction of production build times, raw material cost and other similar benefits.
    - Supporting design engineers in the implementation of changes aimed at adding value.
    - Supporting compliance and validation engineers in the verification of component selection, product performance and overall compliance.
- Component and Design Lifecycle Management
    - Define, develop, implement, and maintain a structured process for the selection and ongoing management of components used across Enatel products.
    - Conform to product development processes, tools, and standards (including design, environment, change and configuration management standards) while continuously improving on them throughout the entire design lifecycle.
    - Continually improve and review quality control processes, including relevant standards, peer review process, testing, and integration processes.
- The Senior Component Engineer is a member of the Research and Development Team. As a member of this team, the incumbent is expected to take an interest and give significant input and advice into projects being worked on by other members of the team.

Other duties:

- Upholds the company values.
- Assist in the development of RFx responses which may include workshops, business case development, feasibility studies and presentations.
- Contributes to the achievements of Enatel goals and objectives.
- Perform any other tasks as required by your manager and/or the business.

Health & Safety:

- Ensuring all Health & Safety policies and rules are complied with, and all tasks are completed in a safety conscious manner.
- Maintaining a safe and clean working environment by complying with Enatel Policy and Procedures.
- Leads by example in all matters relating to Health & Safety.

Environmental:

Enatel is committed to minimising the environmental impact of our operations and products.

- Ensuring Environmental policies and processes are complied with.

Key Relationships:

Internal	External
• Senior Leadership Team	• Third party manufacturers and other suppliers
• Project and Programme Management	
• Engineering teams including CAD Service, Systems Solutions, Power Management and Power Conversion & Storage	
• Operations Team including Manufacturing, Sourcing and Logistics	
• Finance Team	
• Other Enatel departments as require	

Person Specification:

	Essential	Desirable
Competencies	• **Functional/Technical Skills** - has the functional and technical knowledge and skills to do the job at a high level of accomplishment. • **Drive for Results** – can be counted on to exceed goals successfully. Steadfastly pushes self and others for results. • **Action orientated** - enjoys working hard and is full of energy for the things he/she sees as challenging. • **Customer Focus** – Is dedicated to meeting the expectations and requirements of internal and external customers. Establishes and maintains effective relationships with customers and gains their trust and respect. • **Integrity and Trust** – is seen as a direct, truthful individual; is widely trusted. • **Process Management** – good at figuring out the processes necessary to get things done. Can simplify complex processes. • **Learning on the Fly** - the ability to learn quickly in a new environment. • **Priority Setting** – Spends his/her time and the time of others on what's important. Can quickly sense what will help or hinder accomplishing a goal. Eliminates roadblocks and creates focus. • **Problem Solving** – looks for opportunities to resolve issues and solve problems. Learns quickly when facing new problems. • **Ethics & Values** - Has an appropriate and effective set of core values and beliefs, and acts in line with those values at all times.	
Skills, Experience & Knowledge	8+ years' experience in electrical/electronic component engineering. Full competency, supported by deep knowledge and broad experience in the following: • Understanding of the electronic supply chain including distributors, electronic component manufacturers and custom mechanical assembly suppliers as well as what it takes to market and ship components worldwide. • Product lifecycle management and product data management tools. • ERP systems and material requirements planning.	Understanding of PCB design and management of electronic component libraries Practical experience in the design of power electronic products. Understanding of the component manufacturing process for electronic, sheet metal and injection molded parts.

	• Agile development tools and techniques including scrum and Kanban. • Configuration management and change control. • Electronics design, including the ability to understand and navigate electrical schematics. The individual is regarded as a thought leader in their respective field. Ability to take a project from significant uncertainty in the early discovery phases through product launch. Strong commercial and business acumen. Good financial, reporting, and quantitative skills. Analytical mind with problem-solving aptitude. Ability to work independently. Excellent organizational and leadership skills.	
Qualification / Licenses	Degree in electrical / electronic engineering or equivalent vocational training.	Membership of a relevant industry body (e.g., IEEE)