Position Description

Position: Senior Component Engineer (Level I)
Department: Engineering
Reports to: Engineering Services Lead
Direct Reports: None

Position purpose:

As a Component Engineer, you will leverage your advanced levels of practical, hands-on experience to work through complex, and unique situations that can have a high degree of uncertainty. You will play an active part in the planning of current and future products as well as relevant quality checks throughout the development process to verify they conform to specification.

You will also provide leadership, coaching, support, and development of team members across engineering at as 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, Verification and Ongoing Support
    - 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.
    - Be the central champion for country, regional and standards-based changes in environmental trends and requirements in component design, manufacture, sourcing and use.
- 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, you are expected to take an interest and give significant input projects being worked on by other members of the team.

Other duties:

- Upholds the company values.
- Perform any other tasks as required by your Team Leader and/or the business.
- Contributes to the achievements of department goals and objectives.

Health & Safety:

- Ensuring all Health & Safety policies and rules are followed, with all tasks 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 followed.

Key Relationships:

Internal	External
• Sales/Marketing team, Product Management	• Customers
• Project Management	• Third party manufacturers & other suppliers
• Engineering teams including CAD Services, Systems Solutions, Power Management and Power Conversion & Storage.	• Contractors
• Operations team including manufacturing, sourcing, logistics	
• Other Enatel departments as required	

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. • **Action orientated** - enjoys working hard and is full of energy for the things he/she sees as challenging. • **Process Management** – good at figuring out the processes necessary to get things done. Can simplify complex processes.	

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<tr><td></td><td colspan="2">• Learning Agility - the ability to learn quickly in a new environment.
• Problem Solving – looks for opportunities to resolve issues and solve problems. Learns quickly when facing new problems.
• Integrity and Trust – is seen as a direct, truthful individual; is widely trusted.
• Ethics & Values - Has an appropriate and effective set of core values and beliefs, and acts in line with those values at all times.</td></tr>
<tr><td>Skills, Experience & Knowledge</td><td>6+ years' experience in electrical/electronic component engineering.

Full competency, supported by knowledge and 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.
• 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.
• Experience in the validation of components covering thermals, EMC, DFM and environmental compliance.

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.</td><td>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.</td></tr>
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	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)