# **Position Description**

**Position:** Senior Hardware Engineer (Level II)

**Department:** Engineering

**Reports to:** Power Conversion and Energy Storage Lead

**Direct Reports:** None

### Position purpose:

As a Senior Hardware Engineer, you will leverage your specialised skills to work through multiple, simultaneous, complex, and unique product design and development 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
  - o Fully understand the internal and external customer relationships and requirements.
  - Understands stakeholder needs and expectations and monitors for changes in stakeholder requirements.
  - o 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
  - Understand user needs, align with different stakeholders, study systems flow and integration, define required work processes, and investigate any problem areas.
  - Determine feasibility by evaluating analysis, problem definitions, requirements, and alternative solutions.
  - Support in the creation of high quality product design specifications.
  - Develop and maintain high quality designs and architecture across multiple products and product families, including product functionality, reliability, design for manufacture, test & compliance, ease of use and maintainability.
  - Develop and maintain cost-effective solutions by producing clean, efficient and valueorientated designs.
  - o Identify, prioritise, and execute tasks across the entire development life cycle from requirements capture to design integration, verification, and customer validation.
  - o Automate tasks through appropriate tools and scripting where appropriate.
  - Review and improve designs using data from multiple sources (e.g., RMA, production, and test yield etc.), ensuring all designs are up to date and aligned with the latest technologies.
  - Escalate issues and risks in a timely manner.
  - o Work to plan and commit to schedule.
  - Support, modify, enhance, and maintain existing Enatel product designs including timely resolution of any Product Holds.
- Design Lifecycle Management



- Conform to hardware development processes, tools, and standards (including design, documentation, 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 Hardware 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 and advice into 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 Engineering	Contractors
Services, CAD Services, Systems Solutions and	
Power Management.	
Operations team including manufacturing,	
sourcing, logistics	
Other Enatel departments as required	

### **Person Specification:**

	Essential	Desirable
Competencies	<ul> <li>Functional/Technical Skills - has the fand skills to do the job at a high level of Action orientated - enjoys working hat things he/she sees as challenging.</li> <li>Process Management - good at figuring get things done. Can simplify complex</li> <li>Learning Agility - the ability to learn querollem Solving - looks for opportung problems. Learns quickly when facing in the still still</li></ul>	of accomplishment.  In and is full of energy for the series of the serie

	<ul> <li>Integrity and Trust – is seen as a direct trusted.</li> <li>Ethics &amp; Values - Has an appropriate a beliefs, and acts in line with those value</li> </ul>	and effective set of core values and
Skills, Experience & Knowledge	trusted. • Ethics & Values - Has an appropriate a	and effective set of core values and
	clearance distances) and SMPS design (closed loop control, amplifier / magnetics design	
	and noise control).	

	<ul> <li>Agile development tools and techniques including scrum and Kanban.</li> <li>Configuration management and change control.</li> <li>Electronics design, including the ability to understand and navigate electrical schematics.</li> <li>The individual is regarded as a thought leader in their respective field.</li> <li>Ability to take a project from</li> </ul>	
	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)