

Position Description

Position: Senior Electronics Engineer
Department: Engineering
Reports to: Hardware Engineering Team Leader
Direct Reports: None

Scope of Role:

To design new products and support and maintain existing products, as well as product line enhancement. This role suits an electronic engineer that enjoys working across a range of products and enjoys both design, support and maintenance engineering.

Key Responsibilities:

- Working within the Hardware Engineering Team to design new products for Enatel taking into account:
 - Product functionality
 - Customer requirements
 - Cost effectiveness of parts
 - Parts availability
 - Development time
 - Product reliability
 - Ease of use of the product by the customer
 - Future product maintenance
 - Design for manufacture (DFM) considerations
- Ensuring design elements are completed on time and in-line with product road maps.
- Working with cross functional departments to ensure products meet sales and manufacturing requirements.

Product Maintenance:

- To modify, enhance and maintain existing Enatel product designs as required
- Operations support through:
 - Procurement of components.
 - Development of component specifications.
 - Assist with debug and maintenance of the manufacturing lines.
 - Analysis of field returns.

Required Skills:

- Experience using a broad range of R&D Test Equipment
- Experience with high speed analogue electronic circuit design
- Experience with designing for EMC and solving EMC issues
- Experience with designing stable control loops
- Experience of power electronics and power magnetic design
- Familiarity with hardware/software development life cycles and working in a team environment on new product development projects
- Ability to work independently and within a team environment
- Strong problem-solving skills.
- Ability to effectively use PCB CAD software
- Ability to effectively use software tools. SPICE, PCB CAD, FEA
- Experience with electronics manufacturing

Qualifications:

- Tertiary Electronics qualification e.g. B.E or equivalent.
- At least ten years' experience designing electronic hardware with an interest in Power Electronics.

General:

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

Health & Safety:

- Ensuring all Health & Safety policies and rules are followed, with all tasks completed in a safety conscious manner
- Adhere to all health and safety policies whether at our Christchurch premises or elsewhere

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
<ul style="list-style-type: none"> • Engineering Team 	<ul style="list-style-type: none"> • Contractors
<ul style="list-style-type: none"> • Product Managers 	<ul style="list-style-type: none"> • Vendors
<ul style="list-style-type: none"> • Contractors 	<ul style="list-style-type: none"> • Test Laboratories
<ul style="list-style-type: none"> • Procurement 	<ul style="list-style-type: none"> •
<ul style="list-style-type: none"> • Manufacturing Engineering (ME) 	<ul style="list-style-type: none"> •

Person Specification:

Attribute	Essential	Desirable
Competencies	<ul style="list-style-type: none"> • 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. • Integrity and Trust – Is seen as a direct, truthful individual; is widely trusted. • Learning on the Fly – Learns quickly when facing new problems and is open to change. Quickly grasps the essence and the underlying structure of anything. Experiments and will try anything to find solutions. • Creativity – Easily makes connections among previously unrelated notions. Tends to be seen as original and value-added in brainstorming settings. • Problem Solving – looks for opportunities to resolve issues and solve problems. Learns quickly when facing new problems. • Process Management – Good at figuring out the processes necessary to get things done. Can simplify complex processes. • Organising and Planning -Uses resources effectively and efficiently. Accurately scopes out length and difficulty of tasks and projects. Sets objectives and goals. 	
Skills & Experience	<ul style="list-style-type: none"> • At least 5 Years’ experience in electronic engineering • The ability to learn quickly in a new environment. • Have an appropriate and effective set of core values and beliefs and acts in line with those values. 	

	<ul style="list-style-type: none">• Enjoys working hard and is action orientated and full of energy for the things he/she sees as challenging.• Personal organization and self-discipline to prioritize and manage time effectively.	
Qualification / Licenses	<ul style="list-style-type: none">• Applicable tertiary qualification would be an advantage.	<ul style="list-style-type: none">• At least ten years' experience designing electronic hardware with an interest in Power Electronics.