

## Position Description

**Position:** Software Verification Engineer  
**Department:** Engineering  
**Reports to:** Power Management Lead  
**Direct Reports:** None

### Position purpose:

As a Software Verification Engineer, you will leverage your excellent level of practical, hands-on experience to complete complicated and tightly coupled tasks that require analysis. You can get on with the job unaided but may require some additional support for tasks needing specialised skills or advanced analysis.

### 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.
  - Conversant with working in a User Story based environment, concentrating on outcomes.
- 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.
  - Develop and maintain high quality verification procedures across multiple products and product families, including verification of functionality, reliability, ease of use and maintainability.
  - Identify, prioritise, and execute tasks across the entire development life cycle from requirements capture to design integration with a specific focus on verification, and customer validation.
  - Well versed in the automation of tasks through appropriate tools and scripting where appropriate.
  - Review and fault find designs.
  - Ensure all designs are up to date with the latest technologies.
  - Escalate issues and risks in a timely manner.
  - Work to plan and commit to schedule.
  - Support, modify, enhance, and maintain existing Enatel product designs including timely resolution of any Product Holds as required.
- Design Lifecycle Management
  - Conform to software 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 Software Verification 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 input 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 Services, CAD Services, Systems Solutions and Power Conversion and Energy Storage.	• Contractors
• Operations team including manufacturing, sourcing, logistics	
• Other Enatel departments as required	

## Person Specification:

	Essential	Desirable
<b>Competencies</b>	<ul style="list-style-type: none"> <li>• <b>Functional/Technical Skills</b> - has the functional and technical knowledge and skills to do the job at a high level of accomplishment.</li> <li>• <b>Action orientated</b> - enjoys working hard and is full of energy for the things he/she sees as challenging.</li> <li>• <b>Process Management</b> – good at figuring out the processes necessary to get things done. Can simplify complex processes.</li> <li>• <b>Learning Agility</b> - the ability to learn quickly in a new environment.</li> <li>• <b>Problem Solving</b> – looks for opportunities to resolve issues and solve problems. Learns quickly when facing new problems.</li> <li>• <b>Integrity and Trust</b> – is seen as a direct, truthful individual; is widely trusted.</li> <li>• <b>Ethics &amp; Values</b> - Has an appropriate and effective set of core values and beliefs, and acts in line with those values at all times.</li> </ul>	

<p><b>Skills, Experience &amp; Knowledge</b></p>	<p>4+ years proven experience in embedded software verification.</p> <p>Demonstrated competency, supported by knowledge and experience in the following:</p> <ul style="list-style-type: none"> <li>• Verifying software systems that have been delivered to customers on time, to budget and to the required quality standards (includes scope).</li> <li>• Software verification, scripting, and project management techniques , including the creation of test documentation and plans</li> <li>• Software verification tools and automated testing frameworks.</li> <li>• Selected programming languages (C, C++, LUA, Python, html) and the Angular platform.</li> <li>• Various embedded operating systems including Linux and freeRTOS.</li> <li>• Experienced in UI/UX design and/or qualification.</li> <li>• Rapid prototyping experience including wireframes.</li> <li>• Agile development tools and techniques including scrum and Kanban.</li> <li>• Source control, including configuration management and change control.</li> <li>• Electronics design, including the ability to understand and navigate electrical schematics.</li> </ul> <p>Ability to take a project from some uncertainty in the early discovery phases through product launch.</p> <p>Good commercial and business acumen.</p> <p>Analytical mind with problem-solving aptitude.</p> <p>Ability to work independently.</p> <p>Excellent organizational skills.</p>	<p>Embedded device security.</p> <p>Cloud development.</p>
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<b>Qualification / Licenses</b>	Degree in electrical / electronic engineering, software engineering or equivalent vocational training.	Membership of a relevant industry body (e.g., IEEE)
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