

Enatel

Position Description

Position: Systems Engineer
Department: Engineering
Reports to: Power Applications Team Leader
Direct Reports: None

Scope of Role:

This is an exciting role for a Systems Engineer in our growing Engineering team. You'll need a strong background in DC Power Engineering. Enjoy working within a team of smart, motivated people.

Power Applications Team

The Power Applications Team (PAT) plays an important role at Enatel, providing technical resource to the sales team, designing, and managing the build of new systems prototypes and complex CTO solutions. The team supports operations by creating and managing BOM's, work instructions and test procedures, and overseeing the process for Engineering to Order (ETO) and Configure to Order (CTO) within the business.

Key Deliverables of the Power Applications Team:

- Ensuring the development processes in the PAT are followed for new product development, CTO and ETO.
- Ensuring the ETO designs are managed carefully with consideration for cost, future opportunities, and alternative CTO offerings.
- Work with the Operations team and other functions (such as finance) to measure cost, improvement, and success of PAT initiatives.
- Look for opportunities to create efficiency through process, prioritisation, and cost analysis.

Key Responsibilities of the Systems Engineer:

New Product Development:

This involves complete development cycle from Research, Design Concepts, Prototyping, Development, QA & Testing, Deployment, Support & Maintenance and Performance Tuning.

- Design and build prototype systems
- Sourcing of systems components locally and overseas
- Make Bill of materials using CSI
- Collaborate with the Systems Process engineer and Integration Manager to develop work & assembly instructions
- Construction of test methods/procedures
- Perform/co-ordinate systems testing – from complete system testing to specific monitor software functionality testing
- Assist Writing System or sub assembly manuals

Provide technical responses to tenders & quotations worldwide:

- Writing up clause-by-clause responses to tenders
- Take customer requirements and turn them into technical proposals consisting of Layout and Schematic Diagrams
- Creating 2D drawings and Schematics using Microsoft Visio
- Provide costing and cost difference analysis as per required Bill of materials

Production Support:

- Produce Buildsheets for Config to Order and Engineer to Order solutions.
- Assist Writing technical bulletins for product or test routine enhancements
- Product Maintenance - to modify, enhance and maintain existing Enatel product designs as required
- Execute VA/VE on existing product lines.

Customer Support & training:

- Provide support to customers relating to specification, installation & maintenance of Enatel Power Supply products and provide training from time to time.

Skills required:

- Tertiary qualification in Electronics/Power electronics Engineering
- Preference will be given to Engineers with previous experience in DC Power Engineering
- Excellent communication and organisation skills
- Self-motivated, organised and project driven. You must have the right attitude and team player
- A working knowledge of Microsoft applications such as Word, Visio, Excel etc

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 and objectives.

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 abroad

Environmental:

- Enatel is committed to minimising the environmental impact of our operations and products.
- For ISO 14001 EMS Certification, minimisation of environmental impacts to be considered in product design and development such as:
 - Environmentally sustainable and recyclable raw materials and packaging
 - Minimisation of packaging, energy use and logistics costs
 - Materials are compliant as required by H&S and Environmental legislation, EU RoHS and REACH

Key Relationships:

Internal	External
<ul style="list-style-type: none"> • DC Sales Team 	<ul style="list-style-type: none"> • Customers
<ul style="list-style-type: none"> • Production 	<ul style="list-style-type: none"> •
<ul style="list-style-type: none"> • Engineering team 	<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. • Problem Solving – looks for opportunities to resolve issues and solve problems. Learns quickly when facing new problems. • Technical Learning – can learn new skills and knowledge. Picks up on technical things quickly. • Customer Focus – Is dedicated to meeting the expectations and requirements of internal and external customers. Acts with customers in mind. Establishes and maintains effective relationships with customers and gains their trust and respect. • 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. • Communication Skills – able to communicate in a variety of settings and styles clearly and succinctly. 	
Skills & Attributes	<ul style="list-style-type: none"> • Previous experience in DC Power Engineering. • Self-motivated, organised and project driven. You must have the right attitude and be a team player. • A working knowledge of Microsoft applications such as Word, Visio, Excel etc. • Maintains a high level of professionalism and integrity. • Displays a positive attitude and a team focus. • Excellent analytical and problem-solving skills, combined with the ability to provide quick resolution to problems. 	

	<ul style="list-style-type: none">• Excellent written and oral communication skills• Strong team player that actively contributes to the company's success.• Ability to interact effectively with a variety of personnel at all organisational levels.• Excellent self-organisation skills.• Strive for continuous improvement.• Contribute to a positive team-working culture.• Working ethos ensures tasks are completed as required.• Ability to work under pressure to achieve deadlines and outcomes.• Self-motivated with high personal standards especially around honesty and integrity.	
Qualification / Licenses	<ul style="list-style-type: none">• Tertiary qualification in Electronics/Power electronics Engineering.	