



Eguana Technologies

Job Title:	Power Electronics Engineer	Job Category:	Engineering
Department/Group:	Research & Development	Job Code/ Req#:	N/A
Location:	Calgary, Alberta	Travel Required:	N/A
Level/Salary Range:	Based on experience	Position Type:	F/T
HR Contact:	HR Manager	Date Posted:	02/14/2018
Will Train Applicant(s):	Yes	Posting Expires:	When suitable match found
External Posting URL:	http://www.eguanatech.com/company/careers/		

Applications Accepted By:

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Subject Line: Power Electronics Engineer

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Company Overview

Eguana Technologies (TSX: EGT.V) designs and manufactures high performance power electronics for residential and commercial energy storage systems. Eguana has more than 15 years' experience delivering grid edge power electronics for fuel cell, photovoltaic and battery applications and delivers proven, durable, high quality solutions from its high capacity manufacturing facilities in Europe and North America.

The company's mission is to bridge the gap between electricity supply and demand by making distributed energy storage more economic, flexible and reliable to enable the highest penetration of renewable energy sources into the grid. Its vision is to become the world leading supplier of intelligent power electronics for grid tied residential storage applications.

Eguana's product philosophy is to serve the renewable energy markets with innovative, cost efficient and reliable products that are agnostic to different technologies and easily customized to meet the specific needs of the company's partners.

Job Description

Power Electronics Engineer- Responsible for product design from prototyping to manufacturing. Electronics design and manufacturing experience, with specific expertise in Lithium battery systems.

ROLE & RESPONSIBILITIES

- Detailed design of new products from a component level to a systems level, and from concept to production
- Interpret and design according to regulatory standards
- Design of printed circuit boards including schematic capture, and component selection
- Provide support for the production of the existing products by qualifying new component suppliers and designs and by updating product design as required to meet new market or manufacturing requirements.
- Assist in the preparation of schedules, specifications, and reports
- Author and maintain product documentation such as design concepts, requirements, specifications and validation test plans
- Application of engineering knowledge in several fields to develop product design architecture, with full consideration of applicable regulatory approvals, manufacturability, purchasing, design verification, and production testing
- Re-evaluating existing electrical designs and optimizing for performance and cost
- Liaison with suppliers and customers as required.
- Providing engineering support to other team members

QUALIFICATIONS AND EDUCATION REQUIREMENTS

- Bachelor in electrical engineering
- 2+ years of product design experience, including design and debugging PCA's and systems
- 2+ years of lithium battery system design experience
- Proven experience in the following areas: analog design, design with programmable logic, design with microprocessors, basic firmware development, power supplies and high current systems
- Experience in designing to International EMC and safety standards.
- Experience in working with external partners.
- Excellent troubleshooting skills
- Able to interpret and design according to the regulatory standards
- Candidate must possess excellent English communication skills, verbal and written (proficiency in other languages might be considered an asset).
- Excellent organization and project management skills, including the ability to multitask in a fast paced product development environment
- Ability and desire to work with a well diverse group of people