

Electronics Engineer, Calgary

Our Company

Global Power Technologies (GPT) is the world's leading manufacturer and distributor of Thermoelectric Generators (TEG's) and a leading supplier of Remote Power Systems. The Company's products are used extensively in the oil and gas industry as well as for telecommunications, security and surveillance and military applications. With sales into 50 countries, GPT has been providing reliable solutions for critical remote power applications around the world since 1975.

We are looking for energetic and dedicated individuals to join our GPT team. You will be a part of a positive, respectful environment where we take genuine pride in all that we do and are passionate about ensuring the success of our customers and our employees.

Job Purpose

The Electronics Engineer will be responsible for the design, validation and problem solving for all electrical and electronics related to in-service products and Operations initiatives requiring engineering. Scope of the role ranges from legacy products (thermoelectric generators) as well as new cleantech products (combined heat and power generators, hybrid solar systems and methane emissions reduction solutions).

Key Responsibilities and Duties

- Prepare product designs for production. Design, validate and problem solve for a variety of electrical and primarily electronics related engineering challenges, resolving issues at the root cause level
- Approve and/or source alternate components or technologies, or design components, Printed Circuit Board Assemblies (PCBA) and test fixtures better suited to specific performance and/or manufacturing requirements
- Assess and document Design for Manufacturability, Assembly and Test (DFM/DFA/DFT)
- Engage and support LEAN and Continuous Improvement (CI) activities to further reduce manufacturing risk and product reliability
- Contract manufacturing support for troubleshooting functional test fixtures.
- Provide internal test support and development.
- Perform microcontroller firmware troubleshooting and design changes in Programming Language: Embedded C
- Act as a technical resource to other departments such as NPD, Sales, or Customer Service.
- Evaluate and troubleshoot returned field equipment and perform root cause analysis.
- Approve and or source components or technologies, PCB assemblies, and test fixtures.
- Assess and document design for manufacturability, assembly, and test (DFM/ DFA / DFT).
- Lead lean and continuous improvement activities.
- Ensure products meet highest quality expected of our brand, namely zero defects.
- Assist with certifications when required.

Qualifications and Skills

- Post-secondary degree in a technical field, preferably Electronics Engineering
- Demonstrated experience in troubleshooting, testing, and qualifying electro-mechanical parts in a manufacturing environment
- Demonstrated experience in using Printed Circuit Board design software packages.
- 5+ years of experience with electrical and electronics design and validation
- Demonstrated abilities in firmware troubleshooting
- Experience in a manufacturing environment is preferred.
- Excellent analytic, strategic, and creative problem-solving skills, with attention to detail and an inquiring mind, ultimately leading to problem prevention excellence and simple, elegant solutions that meet the business needs
- Proven decision making and planning experience with deterministic execution of independent projects to budget, schedule and cost targets that have impacted the business positively and directly
- Experience with Solid works is an asset
- Desire to learn, adapt and accept new challenges in a product development and manufacturing environment with an outlook that issues are challenges that present opportunities

What We Offer

At Global Power Technologies we care about the personal job satisfaction of our employees. We recognize the wide variety of factors that contribute to this satisfaction and encourage work life balance. Along with competitive compensation and benefits packages, we offer a respectful work environment, one which provides our employees with valuable learning experiences and career growth opportunities.

To Apply

Please submit your resume and cover letter to hr@globalte.com quoting the job title in the subject line and tell us why you are the best candidate for the job. We thank all applicants for their interest, however due to the volume of anticipated applications, we will be responding only to those candidates who are shortlisted.