

Manager - Electronics Design

The job of **Manager - Electronics Design** is to bring constant innovation, leadership and advanced electronics systems design to GVA Lighting. At GVA Lighting our products are always on the cusp of technology and innovation in all aspects of Electronics systems – Hardware (Board Design), Firmware and Software. Our electronic designs are complex and at the same time genuinely simple. You will be working with some of the best electronic engineers to create and introduce new products.

GVA Lighting develops and manufactures outstanding lighting systems and signature lighting projects worldwide in cooperation with the best lighting designers and architects in the world. Our engineering, design and manufacturing takes place right here in the Greater Toronto Area and you can be a part of it! Check out some of the amazing [lighting projects](#) we completed recently.

Our Electronics Designers are key to GVA success in designing and delivering first-in-class solutions.

Management Responsibilities

- Provide leadership and technological guidance in creating and continuously improve world class Electronics Engineering and New Products development (NPD) at GVA Lighting;
- Be accountable for achieving Company's goals and objectives in Technologies and New Product Development, Electronics Engineering Support, Product quality from electronics perspective;
- Create and implement New Product Development strategy for Electronics;
- Manage all New Product Development programs, product designs, electrical, and electronics engineering with a view of testing and improving the full GVA line of products;
- Maintain company's leadership in electronic designs and technologies in the lighting industry by developing unique and state of the art electronic hardware, firmware and software solutions;
- Be in charge of the budget of Electronics Design department;
- Guide and coordinate electronics design team;
- Mentor, train and guide the staff, inspire electronics engineers to bring original creations, innovations, and a robust product design through inspiring teamwork;
- Develop and continuously improve the skill and qualification levels of all electronics engineering employees in Hardware, Firmware and Software;
- Set and monitor key performance indicators (KPIs) for the department and for the employees;
- Oversee and perform EMC and EMI testing of GVA' lighting products.

Electronics Design Responsibilities

- Develop schematics and create PCB board layouts (with Altium Designer or similar);
- Develop firmware in C, C++ and PIC microcontroller;
- Design and develop software for PC (i.e. test software using C++ or C#);
- Develop reports and code analysis, as well as all calculations related to the design and analysis of electrical systems for commercial buildings and structures (e.g. Matlab, MathCad, PSpice);
- Execute and deliver full New Product Introduction (NPI) process, including prototyping, verification validation processes;
- Design for Manufacturability and Testability (DFM, DFT);

- Work with industry standards and certifications bodies such as UL, IEC (International Electrotechnical Commission), CE and any other standards as per the industry requirements;
- Ensure all Design are Compliant with EMI/EMC standards;
- Work under the GVA Lighting Quality Management System and related design and development procedures and standards;
- Develop and document products appropriately and ensure transfer from design to manufacturing submission for regulatory approvals; create production files, maintain BOM and PL revisions;
- Understand client-specific technologies and product requirements;
- Provide technical assistance to production when needed and assist in manufacturability issues;
- Report on project progress and follow and maintain project timelines.

Qualifications

- Advanced Degree in Electronics Engineering
- 15+ years of progressive experience in electronic design and electronic board design
- 5+ years of experience in software and firmware development
- 5+ years of experience in leading development (R&D) teams
- Excellent Electronics engineer – knowledge of electronics and passion to build and create
- Proficiency with Altium, OrCad, Pspice, Matlab, MathCad, and similar tools
- Knowledge and experience with C, C++, C#
- Great leadership skills and a proven management record (team/ product/ project management)
- Ability to communicate throughout all levels in the organization
- Advanced knowledge and expertise in LED, communication, high-power electronics (a plus)

During the selection process you might undergo psychometric tests, as well as practical exercises to help us identify those who have the right attitude, skills, know-how and to find a cultural fit with our company's values.

Why GVA?

- We offer learning opportunities enabling professional growth
- You will receive a competitive salary based on skills and experience
- You may take pride in having participated in landmark projects at home and around the world
- When you work with us you can qualify for professional development, employer sponsored health benefits and retirement savings plan

Send your resume and LinkedIn profile link to hr@gvalighting.com.

GVA Lighting is proud to be an equal opportunity employer committed to the attraction, selection, advancement and fair treatment of all individuals. In accordance with the Human Rights Code and Accessibility for Ontarians with Disabilities Act a request for accommodation will be accepted as part of the GVA Lighting hiring process.

We thank all the candidates for their interest in GVA lighting however only selected candidates will be contacted.

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