

MECHANICAL DESIGN ENGINEER

About Us:

Smartrend Manufacturing Group (SMG), Inc., established in 2004, is a leading supplier of customer-specific engineered parts and assemblies for transportation industries and general industrial applications. In 2018, First Light Safety Products (FLSP) was created as a tradename under SMG, to pioneer self-contained illuminated safety products for the pupil transportation industry. In the years since FLSP has emerged as the market leader for Illuminated School Bus Signs and Fully Illuminated Stop Arms and pursued exclusivity over its products and technologies through considerable investment in proprietary know-how and patent protection.

Summary:

The **Mechanical Design Engineer** is a methodical, detailed oriented, and creative professional that will be responsible for creating engineering designs within specific growth markets for the company. The successful candidate will be engaged in the analysis, conceptual design, and development of various parts, components, and assemblies for our diverse customer base using traditional tools and new technologies to assist throughout the product development life cycle.

Detailed Duties and Responsibilities:

- Lead new development activities as a product owner
- Define requirements for new product development
- Create designs and drawings of mechanical assemblies using Solid Works CAD software
- Define and develop product verification and support test execution in onsite rapid prototyping and test lab
- Work with Supply Chain and Quality teams to support product procurement and open engineering issues
- Support product hand-off to manufacturing and in-field implementation
- Perform initial and ongoing design and technical reviews
- Assist in the managing drawing database
- Other engineering-related activities, as required

Knowledge, Skills, and Abilities:

- Education: BS Degree in Mechanical Engineering or equivalent
- Minimum 5 years of related engineering experience
- Possess creativity for product development
- General familiarity with Geometric Dimensioning & Tolerancing (GD&T)

- Computer knowledge and skills with Microsoft Word, Excel, PowerPoint, and Solid Works or similar CAD software
- Ability to prioritize and manage multiple projects simultaneously
- Project management skills are an asset
- Work well under pressure and under tight timelines
- High level of organizational skills, detail-oriented, and analytical
- Must possess excellent communication skills to collaborate with customers and multiple-disciplinary teams
- An energetic, diligent work ethic and able to work with little supervision
- Able to travel within Canada, the USA, and internationally, as required

Share with us your talent, drive, and entrepreneurial spirit and we will provide a creative and supportive environment, where valuable contributions are rewarded and celebrated with professional growth, job satisfaction, and an attractive total compensation program.

We offer a benefits package to our employees including:

- Competitive Salary
 - Range of \$70,000 to \$100,000, depending on experience
- Group Insurance Plan with Health Spending Account
- Paid Vacation
- Paid time off for Christmas week closure
- Matching RRSP program
- Employee – focused company events

We would like to thank all applicants who apply; however, only those selected for an interview will be contacted.