



## TEST ENGINEERING SPECIALIST

### 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 **Test Engineering Specialist** is a methodical, detail oriented, and creative professional that will be responsible for creating and executing design verification, validation, and manufacturing test plans for in-house developed products. The successful candidate will be engaged in analysis, design and development of various test fixtures and test strategies for our various parts, components, assemblies, and products.

### DETAILED DUTIES AND RESPONSIBILITIES:

- Create product verification test plans, fixtures, setups, and procedures.
- Execute product verification test plans and generation of reports.
- Develop product production test procedures and fixtures.
- Interface with production personnel and management of production testing.
- Assist in the development and maintenance of in-house internal tools, databases, etc. to manage and track all testing related activities and data.
- Manage analysis of warranty, field returned, and production drop out products to determine failure modes/mechanisms and feed the results back to Engineering and Manufacturing.
- Interface with other Engineering staff on required test related features on new products in development.
- Interface with other Engineering staff on test fixture related design schematics and PCB layouts.
- Participate in initial and on-going design and technical reviews.
- Participate in customer quotation exercises to estimate engineering effort and schedule and produce project budgets.
- Collaborate with Engineering team on product design and production efforts to ensure that projects are completed satisfactorily, on time, and within budget.
- Participate in vendor qualification activities.
- Other Engineering activities, as directed and required.

#### Smartrend Manufacturing Group

P: 866.489.7237 | F: 833.866.1547

E: [info@smgrp.com](mailto:info@smgrp.com)

W: [www.smgrp.com](http://www.smgrp.com)

#### First Light Safety Products

P: 866.216.2605 | F: 833.866.1547

E: [info@firstlightsafety.com](mailto:info@firstlightsafety.com)

W: [www.firstlightsafety.com](http://www.firstlightsafety.com)

#### KNOWLEDGE, SKILLS, AND ABILITIES REQUIRED:

- Education: BS Degree in Electrical/Computer Engineering.
- Minimum 5 years of related engineering experience.
- Has a strong electronics background
- Possess creativity for product development.
- Familiarity with mechanical systems is an asset.
- 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 is an asset.
- An energetic, diligent work ethic and able to work with little supervision.
- Strives in pressure situations.
- Able to travel within Canada, the USA, and internationally, as required.
- Must have valid driver's licence.

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:

- Group Insurance Plan
- Paid Vacations

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