



## LOGIC DESIGNER

### ABOUT US:

Smartrend Supply Ltd., established in 2004, is a leading manufacturer of customer-specific components and assemblies for transportation and general industrial applications. In 2018, First Light Safety Products was created as a subsidiary of Smartrend Supply Ltd. First Light, an innovative and progressive organization, incorporates LED technology into essential safety indicators to improve the visibility of school buses, thus increasing the safety of drivers and passengers of buses and other motor vehicles. Both organizations share a 20,000 sq ft, state of the art manufacturing facility.

### SUMMARY:

The **Logic Designer** is a methodical, detailed oriented, and creative professional that will be responsible for developing innovative FPGA designs in VHDL. As the technical expert on FPGA and VHDL, you will work along side the engineering team to develop innovative new products.

### DETAILED DUTIES AND RESPONSIBILITIES:

- Engage in new product development activities that are in line with the company's strategy
- Provide technical expertise in the development of FPGA design through full product design
- Develop innovative FPGA designs in VHDL
- Perform full life-cycle design including specification, design, implementation, simulation, and hardware testing
- Ensure all FPGA's are designed, developed, integrated, and tested in accordance to specifications
- Engineering activities, as required

### KNOWLEDGE, SKILLS, AND ABILITIES REQUIRED:

- Education: BS Degree in Electronics Engineering or equivalent
- Minimum 2 years of related firmware design experience
- Expert in FPGA design, preferably VHDL
- Experience in designing transportation, agricultural, and/or construction vehicle electronic devices/systems
- Experience with Oscilloscopes, logic analyzers, and multimeters
- Understanding of FMEAs and DFM (design for manufacturing) guidelines
- Possess creativity for product development
- Exposure to design and verification testing methods
- Strong problem-solving abilities
- Computer knowledge and skills with Microsoft Word, Excel, PowerPoint
- Ability to prioritize and manage multiple projects simultaneously
- 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

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:

USA Office  
Smartrend USA, LLC.  
750 Vandalia Street  
St. Paul, MN 55114  
Ph: 704.864.4216 Fax: 704.864.4280



Canadian Office  
Smartrend Supply Ltd.  
6 – 1249 Clarence Avenue  
Winnipeg, MB R3T 1T4  
Ph: 204.489.7237 Fax: 204.489.1547

- Group Insurance Plan
- Paid Vacations

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