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**Job Description:** Polestar Technologies is seeking an *Electrical Engineer* with direct experience in the design and development of electronics for ruggedized optical instrumentation.

Responsibilities:

- Materials procurement.
- Feasibility hardware fabrication.
- Development and execution of characterization testing.
- Product validation activities will including test protocol development, participation in product testing, and test report preparation.

Requirements:

- Extensive experience in the use of EDA tools,
- circuit design, fabrication and debugging for both line- and battery-power systems.
- Ideal candidates will have worked closely with digital designers and software engineers on the development and implementation of control strategies and hardware for high speed event triggering and data transfer.
- A minimum of five (5) years industrial experience in board design including layout.
- Applicants must be well organized, have excellent communication skills and a demonstrated ability to work within a multidisciplinary project team.
- A working understanding of UL or IEC 60601 electrical safety and EMC standards and principles would be a plus as would familiarity with C/C++ and assembler programming, shortwave infrared lasers and imaging hardware.
- Must be US citizen.