



## **Production Engineer**

**Job ID: 1804**

**Location: Lebanon, New Hampshire**

**Job Type: Full-Time, Exempt**

White River Technologies, Inc. is a small, high-tech company focused on research & development, testing, evaluation, and commercial support services for geophysical sensor and software technologies. Located in Lebanon, New Hampshire and Newton, Massachusetts, our scientists and engineers are developing new technologies that utilize magnetic, electromagnetic, radar, acoustic and electro-optical sensing for defense, environmental, and energy applications. We are recognized as a national leader in explosive hazards detection and classification technology development and have a reputation for building innovative solutions to complex problems. Geophysical sensing technologies include a wide range of systems: from aerial drones to deep ocean unmanned platforms, to handheld devices and miniaturized sensors, to high-performance embedded and cloud-based computing

We are seeking a Production Engineer to join our growing R&D team in geophysical sensing technology development. The candidate will be responsible for supporting product development through assembly and fabrication under the supervision of engineers and physicists. Work will include design, development and fabrication of prototype and low-rate production systems, including working with plastics, composites, and metals and wiring, electronics, and overall system hardware. The successful candidate will gain experience in embedded- and application-level hardware/software co-design, testing and delivery. The candidate should have level of experience commensurate with collecting and documenting experimental test and validation data with minimal supervision.

### **Essential Duties and Responsibilities**

- Support design, fabrication, and assembly of mechanical and electrical systems including sensor payload modules.
- Component- and system-level integration and testing of geophysical sensing and navigation/positioning units.
- Proven ability to construct and utilize modeling and simulation tools for mechanical and/or electromechanical systems.
- Prototype development, technical transition, training and documentation including on-line and traditional document preparation for manuals, training guides, interface control documents, and design drawings.

### **Education, Experience, and Skills**

- Bachelor's or Master's degree in Electrical Engineering, Mechanical Engineering, Physics or other technical field.
- 3-7 years of experience working with sensor systems, robotics, digital electronics/software programming including experience with laboratory and field instrumentation (preferably electromagnetic sensor systems, oscilloscopes, and frequency analyzers).
- Ability to read and understand electrical schematics; preferred experience with PCB layout software such as KiCAD or Altium.
- Proficiency with digital and analog circuits, including op-amps.
- Skilled in soldering and removing SMT components.
- Preferred experience in programming micro-controller units.
- Demonstrated aptitude to quickly learn new technologies required
- Strong ability to work in a team environment

*Please submit resumes and correspondence to [jobs@whiterivertech.com](mailto:jobs@whiterivertech.com). Reference Job ID in the subject line.*