

## ELECTRONICS ENGINEER

**Troll Systems** is currently seeking an experienced Electronics Engineer who will be working in small (50 person) company specializing in high end- world class RF datalink systems. The selected candidate will work in the R&D department but will also interface with production, quality management, and configuration control to ensure the highest quality standards are applied while considering cost and schedule impact.

**Troll** is a worldwide leader in the development high-speed air-to-ground data links, tracking antennas and control systems, designed to deliver image intelligence, surveillance and reconnaissance, from manned and unmanned aircraft, land and marine vehicles. Troll employees work in a truly exciting industry, with enormous growth potential. Troll products are used by foreign and domestic militaries, commercial broadcasters, police, fire, and search and rescue organizations all over the world.

### **Responsibilities include, but not limited to:**

- Cradle to Grave electronics design as it pertains to our data link systems
- Power design for controllers and pan/tilt systems
- Microcontroller designs to system control.
- Firmware support for embedded designs
- RF design for frequency conversion and low noise amplifiers and SSPA.
- Schematic capture and layout using Altium Designer.
- Design for Manufacture, Test, Cost and Service.
- Create test and manufacturing procedures as well as creation of quality procedures, test plans,
- Support root cause analysis and training of technicians supporting QA and Manufacturing departments.
- Developing clear and concise assembly instructions to include and reference appropriate points of inspection
- Facilitate continual improvement activities
- Supports other projects and initiatives as assigned

### **Qualifications:**

- Minimum of Bachelor's Degree in Electrical Engineering
- Desire 5 years of hands-on direct work experience in a related field
- Hands on experience in PCB design
- Able to create/maintain procedures in support of test and manufacturing
- Background in Digital, Power and RF electronics
- Good understanding of mechanical systems
- Background and experience in embedded software and firmware
- Experience in the creation of manufacturing documentation including assembly instructions

### **Expectations:**

#### **First 30 days**

Develop a good understanding of the core electronics used in the company.

Demonstrate an ability to understand and troubleshoot various electronic assemblies used in our products.

Work with R&D engineering team to develop your skill and transfer of information.

#### **First 60 days**

Work with production team and engineering team to develop improved workflow and information capture on existing products with goal of improved product quality and production productivity

#### **First 90 days**

Working from SOW issued by engineering manager, develop new PCB and other sub-assemblies used in various products

#### **First 6 months**

Release first new assemblies with completed first article, build and test documentation for production release

#### **In the first twelve months, a successful candidate will have:**

Continue with new designs and contribute to embedded firmware

*Must be a U.S. citizen or Green Card holder for authorized access to controlled technology/data as subject to /TAR as well as possess both a valid driver's license and passport. Compensation is commensurate with experience. Position location is in Valencia, CA.*

*Relocation is not available for this position.*