

**Job ID:** **RK090211A**  
**Job Title:** Electrical Engineer – Electrical Team Lead  
**Degree Requirements:** Bachelor's Degree Electrical Engineering  
**Years of Experience:** 8  
**Type of Position:** Direct Hire  
**Location:** Central Vermont  
**Travel Required:** Less than 20%

Our Vermont based client has an **IMMEDIATE NEED** for a System Electrical Team Lead who has a Bachelors degree in Electrical Engineering and a PE plus 8 years of work experience in cutting edge, renewable energy. You will be developing improved designs for all aspects of machine wiring and electrical equipment. Relocation assistance has been budgeted for this position. Benefits include but are not limited to: Medical, Dental, Flex Spending, Paid Vacation, Paid Holidays, Paid Sick Days, Short & Long Term Disability, Vision, Life Insurance. There is no waiting period to qualify for the benefits plan.

The **MUST HAVE REQUIREMENTS** for this position are:

- \* Bachelors degree in Electrical Engineering
- \* 8 Years work experience
- \* Professional Engineer ( PE ) License
- \* Design expertise of Control Cabinets, Conductors, Connectors, & Harnesses
- \* Design experience in Industrial Control Systems ( Signals, Grounding, Noise )
- \* FPGA / CPLD ( Field Programmable Gate Array / Complex Programmable Logic Devices )
- \* Experience with 3 phase medium voltage distribution & protection systems
- \* Prior leadership experience
- \* Experience with NEC, NESC, UL, IEEE, IEC codes & standards ( National Electric Code, National Electric Safety Code, Underwriter Laboratory, International Electrotechnical Commission )
- \* Expertise using drafting tools and knowledge of drawing standards

**PLUSSES** in this position include:

- \* Experience & expertise with 100kW or larger & Medium Voltage, 3 Phase Systems ( 1kV – 35kV )
- \* Prior experience with wind turbine engineering
- \* Experience with distributed generation interconnect ( IEEE1547 Standard for Interconnecting Distributed Resources with Electric Power Systems )
- \* Experience with certification of power electronics ( EU, CE, UL1741, etc ) { Inverters, Converters, Controllers and Interconnection System Equipment for Use With Distributed Energy Resources }
- \* Experience with power system modeling & coordination

Reporting to the Director of Electrical Systems Engineering the **RESPONSIBILITIES** include but are not limited to:

- \* Lead a team of electrical engineers & designers
- \* Work with Mechanical, PLC Controls, Generator, & Power Converter teams
- \* Standardize & centralize competency in design of control cabinets, conductors, connectors, & harnesses considering function, environment, Electromagnetic Interference / Electromagnetic Compatibility ( EMI / EMC )
- \* Develop design standards
- \* Produce schematics, drawings, & connection diagrams suitable for design, manufacture, & field needs
- \* Work with Medium Voltage 3 phase power & switch gear
- \* Understanding of power electronics, analog & digital electronic systems, power distribution, controls, & mechanical systems
- \* Optimize designs for performance, manufacturability, serviceability, reliability, & cost
- \* Provide design & documentation that will demonstrate compliance to certification

If you meet these requirements and wish to be considered for this position, send your résumé to us in a Word document at [Resumes@PinnaclePlacementGroup.com](mailto:Resumes@PinnaclePlacementGroup.com) mentioning the **Job ID** and the **Job Title** in the subject line of your email.

**In your email or cover letter, please provide us a short narrative detailing your experience and expertise as it applies to this position. Also, please provide us with your salary requirements.**

**KEY WORDS:** BS EE, Electrical Engineer, Professional Engineer, PE, Control Cabinets, Conductors, Connectors, Harnesses, Design, Industrial Control Systems, Signals, Grounding, Noise, FPGA, CPLD, Field Programmable Gate Array, Complex Programmable Logic Devices, medium voltage distribution, medium voltage protection systems, leadership, NEC, NESC, UL, IEEE, IEC, codes, standards, National Electric Code, National Electric Safety Code, Underwriter Laboratory, International Electrotechnical Commission, drafting tools, drawing standards, 100kW, Medium Voltage, 3 Phase Systems, 1kV – 35kV, wind turbine engineering, distributed generation interconnect, IEEE1547 Standard, EU, CE, UL1741, Inverters, Converters, Controllers, Interconnection System Equipment, Distributed Energy Resources, power system modeling, Mechanical, PLC Controls, Generator, Power Converter, Electromagnetic Interference, Electromagnetic Compatibility, EMI, EMC, design standards, schematics, switch gear, power electronics, analog electronic systems, digital electronic systems, power distribution, controls, mechanical systems, direct drive, permanent magnet wind turbine