



Sr. Electrical Engineer

Highland, IL

Job Summary:

Design electrical/electronic products for use in protection and control of power generation, transmission, distribution, and motor systems. Typical products may include protective relays, voltage regulators, genset controllers, other controllers, power bridges, and excitation systems.

This position requires originating or updating electrical designs and demonstrating application of state-of-the-art knowledge in electrical architecture and/or electronic circuit design. In this lead role, employing effective techniques and efficient methods to drive projects to successful completion is key.

Reports to:

Electrical Engineering Systems Design Manager

Essential Duties:

- Assist in establishing design criteria to meet customer requirements.
- Develop the electrical/electronic design to meet the requirements of the design specification or individual customer specification as assigned.
- Exercise clear communicative and effective coordinative skills with various personnel and groups of varying technical expertise.
- System design that may include selection and design integration of controllers, power electronic bridges, protection equipment, power supplies, power and signal conductors, and HMI.
- Circuit design that may include high-speed digital, microprocessor, FPGA, communications, logic, HMI, analog, input sensing, output control, high power, power supplies, power bridges, and others.
- Coordinate electronic design efforts with firmware/software engineering for proper integration.
- Select standard parts and proven circuits when practical and calculate electrical stress information for components used in the design.
- Direct and/or perform the generation of electrical schematics.
- Evaluate design concepts through theoretical study, proof-of-concept and/or prototype hardware if needed, and design reviews as necessary.
- Supervise other engineers and technicians assigned to a particular project.
- Evaluate test data.
- Verify correctness of final schematics, printed circuit boards, and bills of material.
- Release to Mechanical Engineering section when design has been confirmed, with approved schematics and electrical bill of materials.
- Direct and/or perform the writing of the Theory of Operation as required.
- Direct and/or assist the Technical Writer with information needed to write or update instruction manuals and sales bulletins.
- Estimate material and engineering effort required on jobs being quoted as assigned by Supervisor.
- Travel as required for training, support of project tasks, product issues, or other design- or job-related needs.
- Perform all other duties as assigned.



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Requirements:

- B.S.E.E. Degree or equivalent.
- Minimum of five years electrical/electronic design experience.
- Able to work independently to successfully create electrical/electronic circuit designs.
- Able to clearly communicate, both verbally and in writing, with customers and various levels of personnel.
- Able to effectively use engineering design and simulation tools.
- Effective coordinative skills.
- Proficient computer skills.

Contact:

Basler Electric welcomes employment applications received directly from interested candidates. We prefer that you submit your resume in Microsoft® Word or Adobe® PDF format.

Basler Electric Company
Human Resources
12570 Route 143
Highland, IL 62249-1074

Tel: +1 618.654.2341, ext. 251

Fax: +1 618.654.2351

Email: employment@basler.com

Benefits:

Basler offers a comprehensive benefits package which offers: Medical, Prescription, Dental, Vision, Life, and AD&D insurance; a 401k plan; paid leaves for Vacation, Holiday, Sick, Jury Duty, Bereavement; tuition reimbursement. All benefits are subject to eligibility requirements.

Compensation:

We anticipate filling the Sr. Electrical Engineer position with an expected compensation range of \$96,000 - \$113,000. We are open to reviewing additional candidates with more or less experience and the pay range may differ if filled at a different level. Our pay ranges are determined by job, responsibility, and location. Starting pay and job title are based on location and job-related factors such as candidate experience, training, knowledge, and skills.