



Engineered to order. Built to last.

CLiP Product Engineer – Electrical

Since 1905, G&W Electric has helped power the world with innovative power systems solutions and products. With the introduction of the first disconnectable cable terminating device in the early 1900s, G&W began to build a reputation for engineering creative solutions to meet the needs of systems designers. Solutions which today have extended far beyond cable accessory products and into the latest in solid dielectric and SF6 insulated switchgear, solid dielectric insulated reclosers, system protection equipment, distribution automation solutions, and distribution and transmission cable accessories. Located in Bolingbrook, Illinois, USA, the plant covers over 371,000 square feet and represents a showplace of modern engineering, manufacturing and marketing technology.

Why join us? G&W enjoys a long reputation for product quality, innovation and world-class customer service to the power industry. We have established this reputation by believing that our greatest asset is our employees. We owe our success to the initiative and talents of highly skilled individuals within our team-based organization. Our goal is to set the standard for customer satisfaction by ensuring a superior level of service, performance and innovation. As a global organization and industry leader, we are committed to cultivating an engaging work environment that embraces our core values and develops our talent. Our continuous focus on growth and innovation means that you become part of a company that provides challenging opportunities, rewards excellence and combines your individual expertise to achieve a higher level of shared success.

SUMMARY OF RESPONSIBILITIES:

Primary – New product development to include the following – understanding and documenting existing technology; update existing design; upgrade current products; develop new products from concept through production.

Secondary – Customer system analysis, application of existing product and technical sales support.

ESSENTIAL FUNCTIONS:

Primary (65% of time)

- Understanding and formally documenting technical and theoretical knowledge base behind current product.
- Updating technology in current product to improve reliability or enhance functionality – design, contacting suppliers, testing, and integration into production.
- Designs control functions of the product line, interfaces with vendors in the design of circuit boards, components, assemblies, and assists mechanical product engineers with physical aspects of the product.
- Troubleshooting design / application issues and providing solutions
- Expanding current product line into new voltages, continuous currents, fault current levels, etc. – design, document, prototype, test, and integrate into production.
- Propose, design, develop completely new products using technology and knowledge base

Secondary (35% of time)

- Specification and work procedure writing is required.
- Responsible for customer specification review, electrical system analysis and associated application engineering, customer correspondence, specification of associated product to meet customer needs. May include quotations and order entry.
- Responsible for the coordination of engineered electrical components with outside suppliers, documentation and control of engineering standards.
- Interfaces with customer / sales to review customer's system, their needs, engineering a solution, and associated communications resulting in a sale.
- Works with production planner and purchasing to schedule order engineering time and performs all sub-functions required to achieve a smooth throughput and on-time delivery of a defect free product.
- Develops electrical protection schemes for products to fit customer needs. Must be able to clearly explain the product function, associated calculations and propose solutions.
- May involve CAD or guidance of CAD personnel.
- Interfaces with team associates, staff, outside sales, agents and customers.

EDUCATION/REQUIRED KNOWLEDGE & SKILLS

- BSEE or MSEE and 3-8 years experience is required. A background in electrical power system analysis is required.
- Specification and work procedure writing is required.
- Understands electrical power system drawings and performs associated 3-phase fault and power calculations. Ability to create as well as read and interpret drawings, schematics and wiring diagrams.
- Knowledge of Windows, Word, Spreadsheet applications. Mathcad, PSpice, Matlab, and programming in C or C++ is helpful. Training and/or experience in computer aided design – Creo & Pro-E are helpful.
- Must have excellent written, oral and telephone skills for communications with customers, agents, co-workers and vendors.
- Must be able to pass government security clearances.
- Will involve new product design and development and coordination with G&W laboratory facilities as well as outside power test laboratories.
- Will involve travel to meet with vendors, customers and to perform tests. Some is expected to be international.
- Will include design of magnetic circuits, current transformer applications and electronics.

G&W offers a competitive salary commensurate with the candidate's level of experience, as well as an excellent benefits program including medical, dental, short term/long term disability, life insurance, and a 401(K) retirement plan.

To apply please send your resume to careers@gwelec.com

EEO M/F/Vet/Disability