



Engineered to order. Built to last.

Proven Solutions for Critical Power



Listening to Customer Needs Since 1905

THE G&W ELECTRIC APPROACH

After over a century of service and innovation in electrical system solutions and products, G&W Electric knows power. And more importantly, we know the power of listening. By taking the time to fully understand the needs and goals of each customer's application, we are able to devise and deliver solutions that meet those needs precisely. We ask the right questions, we take the responses to heart and we answer only to our customers. This commitment has earned us our reputation as a reliable partner, engineering creative solutions that get the job done — across various industries, from everyday to mission-critical applications.





Long-Term Reliability

Loss of power in critical industries and applications can be catastrophic. That is why our engineers create the most innovative solutions on the market — including padmount, vault and pole top distribution switches, reclosers, distribution automation, current limiting system protection, and distribution and transmission voltage cable accessories — that deliver the utmost reliability, giving you added peace of mind.

From initial consultation through implementation, you can count on our team to help you overcome challenges and meet your critical power goals. We service products no matter where they are in their lifecycle, giving you a solution that lasts for the long term. And with experts on call 24/7 to answer any product or warranty questions you may have, you can rest easy knowing that your needs are our top priority.

Our state-of-the-art facilities allow us to provide education and support across our full suite of products. The G&W Customer Solutions Center offers a wealth of information, including simulations and real-world demos highlighting the superior performance of our products. We give you the tools and education you need to face your next critical power challenge with confidence.

We perform in-house factory acceptance testing to ensure products meet all requirements prior to delivery, with engineering and design assistance available if needed. Our facilities are ISO 9001, ISO 14001 and LEED Gold certified (Bolingbrook Headquarters).

Capabilities for Critical Power Industries

Whether you require solutions for data centers, hospitals or other power-critical industries, our products are built to perform seamlessly in even the most demanding environments. Our deep understanding of critical power requirements complements our listening approach, giving you solutions that meet your exact infrastructure or smart grid specifications with unparalleled reliability and efficiency. Rather than modifying an off-the-shelf product, G&W will custom engineer the best product fit — prioritizing the compatibility of your environment and your equipment.



Reliable Power Where You Need It Most

Safe. Efficient. Scalable. The demands of critical power infrastructures require solutions that deliver today and adapt for the future. With optimal flexibility, G&W products can reduce operation and construction costs with easy-to-implement system upgrades.

HOSPITALS

Keep life-saving patient equipment up and running by coordinating with backup services for reliable emergency power.

UNIVERSITIES

Improve upon aging infrastructure with service equipment designed to last and support sensitive research and critical facilities.

DATA CENTERS

Meet dense power requirements with robust designs while offering reliability for high-speed computing and data storage.

MILITARY

Overcome potential power failure with rugged products built for challenging and demanding environments.

RENEWABLES

Distribute power back to the grid and keep power purchasing agreements intact with solutions built to mitigate costly unplanned outages.



Our suite of products are designed for decades of use, giving you the long-term reliability you need.

TRIDENT®

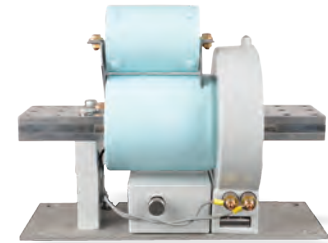
Application Benefit: Configuration Flexibility and Safety

Trident is a padmount and vault-style solid dielectric insulated switchgear that offers overcurrent protection and a dead-front design.

- Available with SafeVu® visible break feature, which provides a clear visible open as an added safety component
- Features Trident-SR magnetic actuators, which require no external mechanisms to remotely and automatically switch the device
- Fully submersible and weatherproof
- No routine maintenance with solid dielectric insulation
- Design flexibility with robust, modular construction



Trident®



CLiP®



SF6

SF6

Application Benefit: Reliability and Safety

SF6 is a padmount and vault-style insulated switching solution that provides load and fault interrupting.

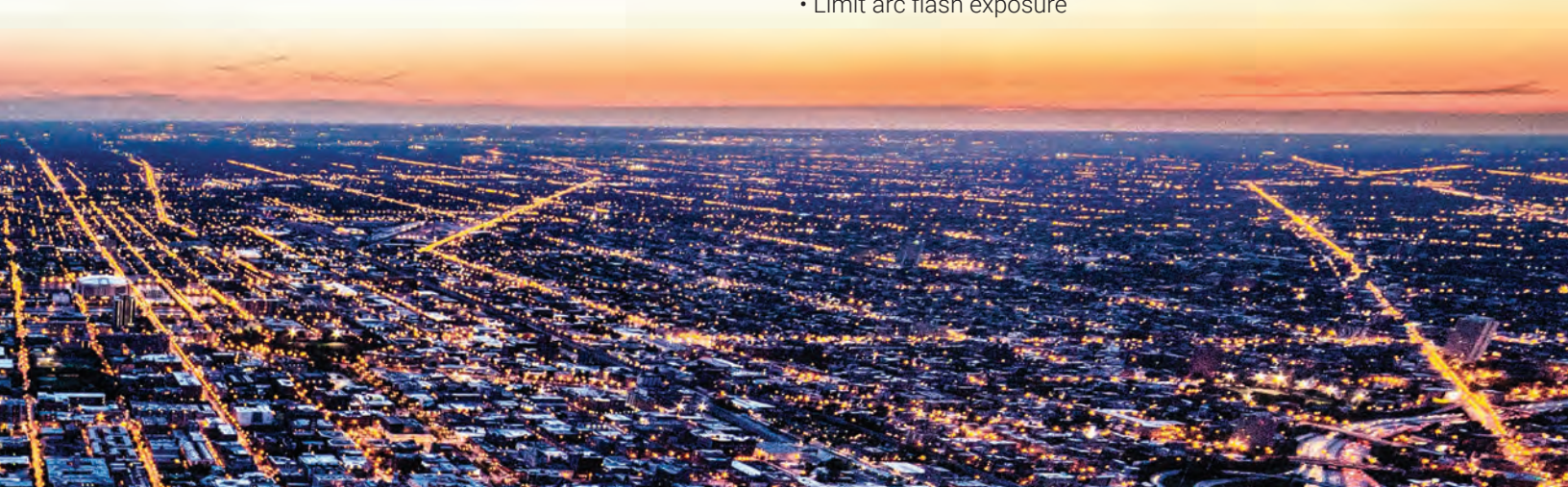
- Designed for systems rated 15.5 through 38kV, 900 continuous current
- Fully submersible and weatherproof
- Design flexibility with robust, modular construction
- Maintenance-free operation for continuous performance
- Manual operation or smart grid and LaZer® compatible

CLiP®

Application Benefit: Ideal for Unique Protection Needs

CLiP (Current Limiting Protector) is an overcurrent protection device providing unparalleled system protection.

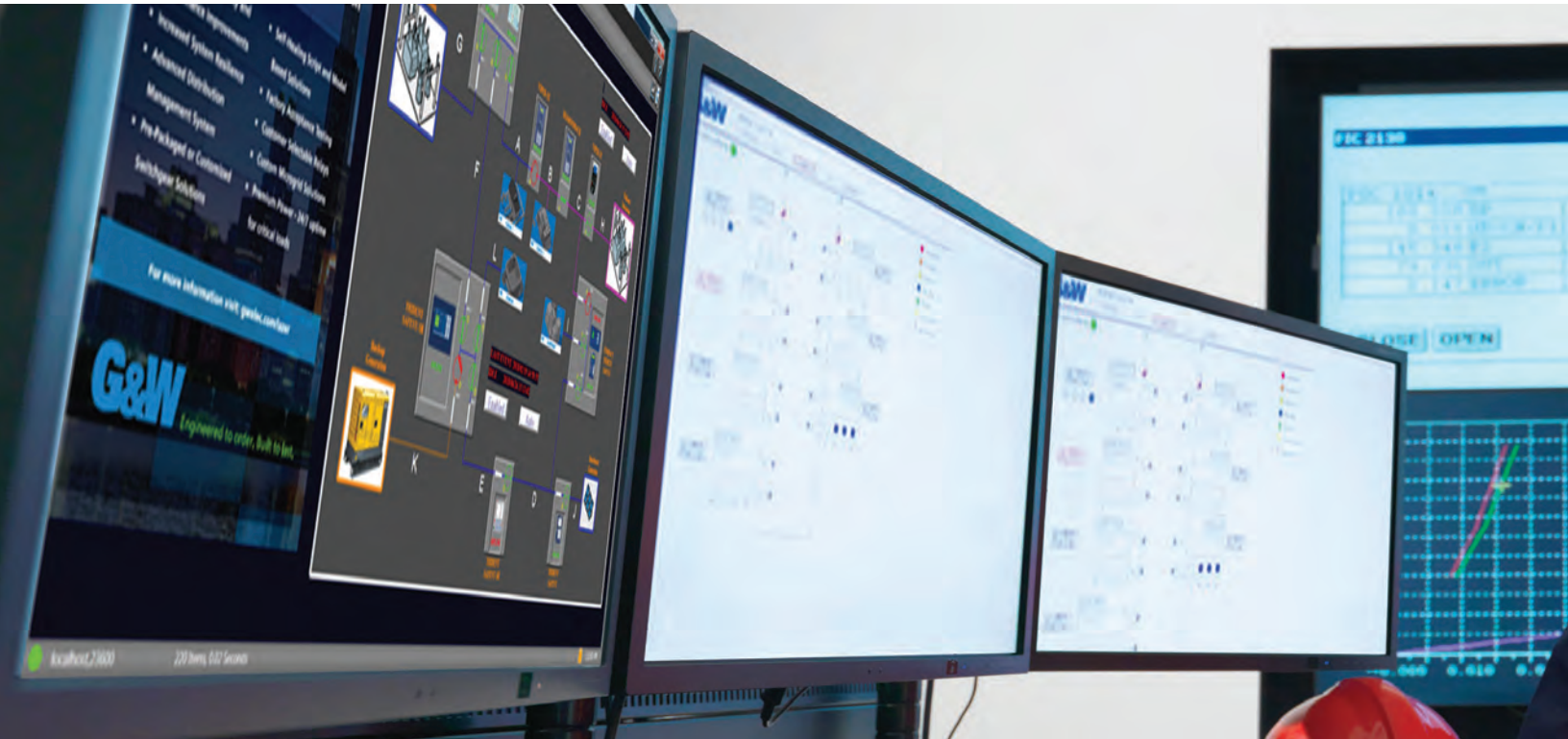
- Allows for system upgrades without replacing under-rated equipment
- Package as a reactor bypass to eliminate costly operating losses
- Transformer protection, minimizing damage by reducing fault energy
- Cogenerator protection while limiting contribution to the system
- Limit arc flash exposure



LaZer® Automation

LAZER HELPS YOU MEET THE AUTOMATION REQUIREMENTS OF TODAY, INCLUDING:

- Automatic transfer
- Voltage loss reconfiguration
- Fault isolation reconfiguration
- System redundancy



Automation Solutions for Next-Generation Distribution System Grid

Our LaZer Automation System integrates intelligent devices into aging infrastructures to make your existing power grid smarter and more reliable for mission-critical applications. These pre-engineered or customized solutions are fully scalable and increasingly efficient, allowing for greater functionality and communication within your system.

We have leveraged the synergy from our sister company, Survalent Technology. Survalent is a trusted global leader with over 50 years of providing real-time solutions enabling customers to easily acquire data critical for their advanced distribution automation management systems (ADMS).

The LaZer Automation System is broken out into three categories – LaZer I, LaZer II and LaZer III – each designed for specific applications.

LaZer I Automation utilizes standalone, peer-to-peer solutions that include high-speed closed loop systems, open loop FDIR systems, loss of voltage restoration schemes and distributed transfer schemes. This is our standard LaZer automation option.

Powered by a scaled-down version of the full Survalent software suite, LaZer II is ideal for controller-based solutions, pre-loaded and configured with software capable of automating substations and feeders. It features Worldview Graphic User Interface (GUI) and SCADA Explorer for programming, with Fault Detection Isolation and Restoration (FDIR) and LOV model-based automation solutions for reconfiguration on faults and voltage loss. And with the onboard IED Wizard software, you can easily integrate and view IEDs.



LaZer III Automation incorporates the standard features of LaZer I and II into a master control platform with superior operation and visualization functionality. With LaZer III, you'll have access to SmartSCADA – a full SCADA package with unlimited points – and SmartOMS, a fully integrated outage management system. The LaZer III system also comes pre-loaded with a fully integrated distributed management system (DMS) that acts as a single user interface for both DMS and SCADA, streamlining your processes.

We perform comprehensive factory acceptance testing, so you can see firsthand how your existing system responds in real time during a power disruption – and how LaZer integration improves response and restoration times, safety and reliability.



A PARTNER FOR TODAY AND TOMORROW

Working with G&W means you're getting a partner for life. Because we're a family-owned company, we have more flexibility to put our customers first. Between our consultative approach to each engagement, our educational tools and our expertise in understanding the power needs of both today and tomorrow, you can rely on G&W to meet all your critical power needs.

AFTERMARKET SERVICES

In partnering with G&W, you have access to comprehensive aftermarket services to ensure your needs are met. We offer site commissioning and equipment inspection, plus on-site training and support. Should you need off-site support, our phone lines are open and ready to assist you **24 hours a day**. We are continually adding services and resources, helping our customers get the most out of their G&W products.

Contact us today

708.388.5010 or info@gwelec.com



Engineered to order. Built to last.

Since 1905, G&W Electric has been a leading provider of innovative power distribution solutions, including the latest in load and fault interrupting switchgear, reclosers, system protection equipment and distribution automation. G&W is headquartered in Bolingbrook, Illinois; U.S.A, with manufacturing facilities and sales support in more than 100 countries including China, Mexico, Canada, UAE, India, Singapore and Brazil. We help our customers meet their challenges and gain a competitive edge through a suite of advanced products and technical services.

Learn more and find your local
sales representative at gwelec.com