



## Achieve Quick Progress on Fire Mitigation

G&W Electric engineers strategic fire mitigation solutions that can be rapidly implemented across electrical infrastructure to address public safety concerns and satisfy regulatory mandates.

### Our Team

We understand the impact of growing regulatory mandates on distribution infrastructure. Our consultants work closely with you, helping you select the right fire mitigation solutions for your system's unique needs.

### How We Help

We have decades of experience engineering distribution solutions that minimize flashover threats in areas with high wildfire risk. Our flexible solutions align with system hardening and enhanced system protection fire mitigation strategies. We provide solutions that integrate our advanced technology into your existing system for minimal disruption to your operations. We will work with you to design a strategy that can be quickly implemented while taking into account the specific needs of your system.

### Benefits

With our comprehensive fire mitigation strategies, you can integrate fire prevention measures designed to eliminate sources of ignition across your electrical distribution infrastructure. Our advanced technology can also be applied to high fire threat areas quickly.



#### Challenge 1: Flashover mitigation and ignition risk from aging equipment

**Solution:** Our fire prevention solutions incorporate innovative features that can be factory-installed on new products or added to existing equipment. These system-hardening features minimize flashovers caused by environmental factors such as high winds, lightning and wildlife contact.



#### Challenge 2: Slow response to system faults

**Solution:** You can quickly and effectively respond to wildfire threats with enhanced system protection technology. Our advanced solutions integrate with your existing distribution system and include adaptive reclosing and secure, fast fault clearing.



#### Challenge 3: Detection of downed conductors

**Solution:** Downed conductors can be reliably detected using a combination of high impedance fault detection, broken conductor logic and loss of voltage (LOV) protection.

# Product Features and Highlights

## Viper®-ST

Our compact Viper-ST reclosers with SEL controls can be preassembled with a range of fire mitigation features to significantly reduce installation time

## Flexible Frame Designs and Z Modules

Increased electrical clearances minimize chance of external flashovers and pole fires

## Field Upgradeable Insulators

Upgrading to 38kV insulators increases strike and creepage distances to reduce flashover risk

## Site-Ready Accessories

- Factory installed accessories enable quick progress, reducing time and labor for linemen and supply chain
- Flame retardant wildlife guards compliant with IEEE 1656 and UL 94 V-0 prevent flashover from wildlife contact
- Solid dielectric transformers do not have fire and flash-point ratings inherent to oil-insulated systems

## CLiP®

When placed inside or outside substations, CLiP can detect and clear faults in less than half a cycle, significantly reducing the fire risk they pose

## Trident®

Our padmount package with Trident bypass enables underground placement of Viper reclosers in areas where overhead equipment poses a high fire risk

## Dead-Tank Design

Minimizes flashovers from lightning and wildlife and increases personnel safety

## Grounded Rubber Elbows

Eliminates exposed, energized components and wildlife-induced flashovers

## Overhead to Underground Adjustability

Eliminate high fire risk overhead construction with padmounted Viper reclosers and Trident switches

## COMMON CONCERNS



We have challenges meeting deadlines with replacing and upgrading the equipment in our system.

Many of the fire-mitigating solutions we offer can be added to your existing electrical infrastructure quickly.



We don't want to change our existing distribution management system (DMS).

Our fault detection technology integrates with your existing DMS, improving your system protection without interrupting your day-to-day operations.



We have unique needs that must be met to adequately minimize fire risk.

We will assess your specific challenges with fire mitigation and configure our solutions to precisely meet your needs.

## ABOUT G&W

G&W engineers flexible solutions for companies in the utility, industrial and commercial sectors. Our approach begins by listening carefully to our customers and working with them to design ideal solutions for their needs with our unrivaled medium voltage switches, reclosers, system protection, distribution and transmission cable accessories and power grid automation solutions.

## Contact us today

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