



# ALLBRITE ELECTRIC SERVICE, INC.

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# Protecting Your Investment

With

**MISSION** *CriticalGard*

**Surge Suppression Systems**

**A *TEGG* Service Provider**

# Why we do it...

- Reduce Business Interruption Costs

- Extend Equipment Life



- Greatly Reduce Repair Costs

- Minimize Power Quality Risks

- Minimize Life/Safety Risks

## What is a transient?

An electrical transient is a temporary excess of voltage and/or current in an electrical circuit. Transients are short duration events, typically lasting only a few thousandths of a second.

## OUTSIDE YOUR FACILITY

### Lightning

- Lightning strikes the United States 90 million times per year.
- Estimated 56 billion dollars in property damage annually.
- Responsible for approximately 30,000 building fires annually.
- Causes 30% of all power outages.

### Utility grid switching to power source

- When demand fluctuates, the utility companies have to increase or decrease power resources. This switching causes massive surges and spikes.

### Any occurrence that causes disruption on the utility grid

- When a power line goes down for whatever reason (ice, trees falling, auto accidents, or any event that interrupts power), these interruptions cause transients.

## INSIDE YOUR FACILITY

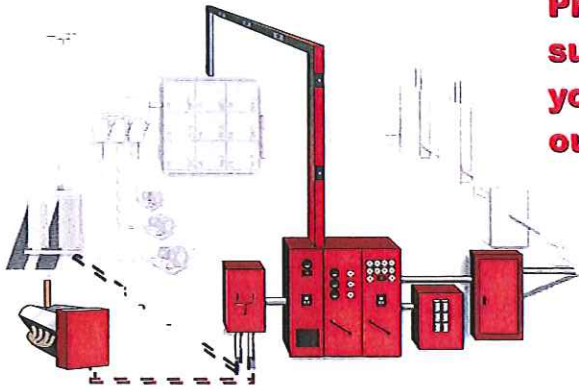
### Transients occur when electrical loads are switched on or off.

- The simple act of turning on (or off) a light, motor, copy machine or any other electrical device can disturb the electrical circuit and create transients. In general, the larger the load, the greater the disturbance when the load is switched off or on. The switching of high ampacity loads such as electric welders and electric motors are known to create transients. Studies have shown that a majority of transients (roughly 80%) are generated inside a given facility.

# MISSION *CriticalGard*

## ZONE DEFENSE SYSTEM

### ZONE 1



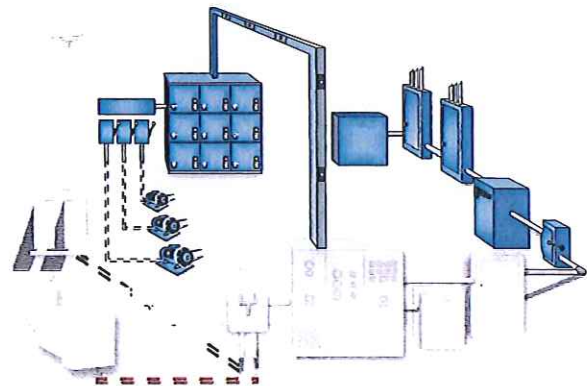
Your Electrical Distribution System

Protects your main incoming service from outside surges and spikes as well as transients from within your facility. Surges, spikes and lightning strikes from outside of your facility can be the most damaging.

No facility escapes surges, spikes and transient voltage and currents. Why put yourself at risk?

### ZONE 2

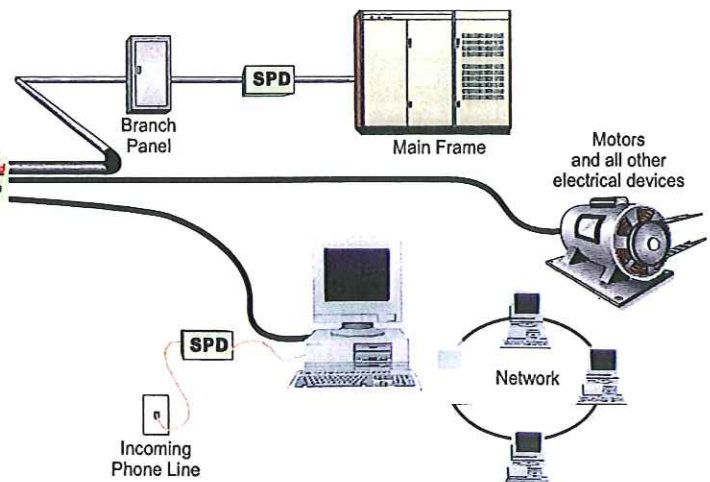
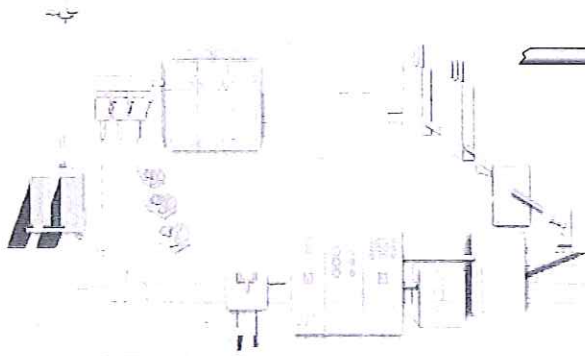
Reduces the let through voltage from ZONE 1, and also protects from surges, spikes and transients generated from the operational side of your facility.



Your Electrical Distribution System

### ZONE 3

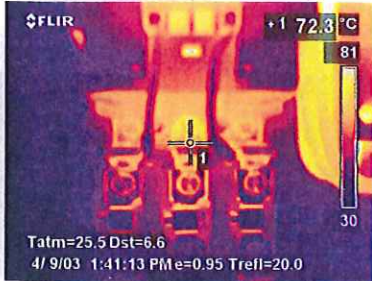
Protects all operating equipment such as computers, networks, phone systems, fire systems, motors, machinery, etc...



# The Benefit...

We are a full-service electrical contractor that is part of the **TEGG** Network. This allows us to offer **TEGG** Service, the most comprehensive preventive maintenance programs available. These services include:

## - INSPECTION BY LICENSED ELECTRICIANS



## - INFRARED THERMOGRAPHY

## - DE-ENERGIZED SERVICES



## - VOLTAGE & CURRENT DIAGNOSTICS

## - POWER QUALITY



## - ULTRASONIC SERVICE

**MISSION CriticalGard** - SURGE SUPPRESSION

**TEGGTask 6.0** - ELECTRONIC DOCUMENTATION  
Your Complete Solution For Electrical Preventive Maintenance.

# PEACE OF MIND

## 10 Year Unconditional Warranty

## ...Gain Total Control