SURGE PROTECTION FOR UTILITY NETWORKS

Reliable Performance. Comprehensive Options.

PolyPhaser
an INFINITE brand

TRANSTECTOR
an INFINITE brand

SUPPLY RELIABILITY AND POWER QUALITY

Surge protection requirements for the utility industry are intricate and evolving, each requiring a variety of protection levels based on unique applications. From advanced metering infrastructure (AMI) to Smart Grid delivery systems, the requirement for service reliability and power quality is paramount.

As leaders in RF, AC, DC and data line surge protection, PolyPhaser and Transtector are well versed in the specific challenges, requirements and standards necessary for utility operability.

PRODUCT	DESCRIPTION	FEATURES	OPTIONS
RF Filters	Patented RF surge protectors for coax-fed radios	• Bidirectional functionality • High surge handling capacity • Low insertion loss	• DC block • DC pass • Inductor-based technology • Hybrid protection circuits
AC Protectors	Surge protection for cases, cabinets, signal and facilities	• Reliable MOV, gas tube and silicon technologies • Designed to global standards	• Thermal protection • Replaceable modules • Remote monitoring
DC Protectors	Engineered for high-level site power performance without compromise	• DIN Rail mounting • Low turn-on • Repetitive strike capacity	• Modular design • Remote monitoring • Thermal protection
Data Protectors	Designed for low-voltage signal circuits to high-speed power over Ethernet applications	• Silicon and hybrid technology • Available individually or as complete kits	• Indoor • Outdoor • Rack-mount • DIN Rail-mount
EMP HEMP-Tested Surge Protection	Protect critical electronic and power systems from the effects of electromagnetic pulse and interference	• Fast response time • Ruggedized construction for EMP and HEMP protection	• RF • AC • DC • Data line
NEMA Enclosures	Configurable NEMA-rated enclosures for harsh environments	• Rugged and lightweight • Broad range of configurations • Pre-configured options for a variety of application	• Heating and cooling • AC, DC or PoE feeds • Fiberglass polyester • NEMA 4 or 3R

GLOBAL UTILITY NETWORKS

Meeting the global requirements of our utility customers is paramount to creating highly satisfied customers. We offer a wide range of products and services to meet the needs of global networks.

- **E-Commerce** - Online ordering is easy through both polyphaser.com and transtector.com, where we provide quality surge protection products, 24/7 online chat, and a commitment to in-stock availability.

- **Same-Day Shipping** - For mission-critical product shipments that require immediate delivery within the shortest available time frame, we offer dependable same-day shipping.

- **Technical Support** - Global engineering service teams well versed in protection requirements essential for remote monitoring, smart grid operation, power generation and AMI communications.
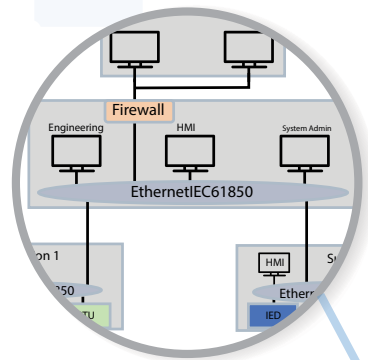
Surge protection and equipment enclosure solutions from PolyPhaser and Transtector Systems enhance network performance and reliability, with innovative products engineered for today's growing markets. Contact us at +1 (208) 635-6400 or visit us online at polyphaser.com and transtector.com.

SURGE PROTECTION FOR
UTILITY NETWORKS

Alternative Energy

2 3 8

SCADA System

1 2 3 6

Firewall

Engineering   HMI   System Admin

EthernetIEC61850

on 1

250

TU

HMI

iED

Ethern

Substation

3 7 9

**Last Mile
Broadband Network**

1 2 3 5 6 8 9
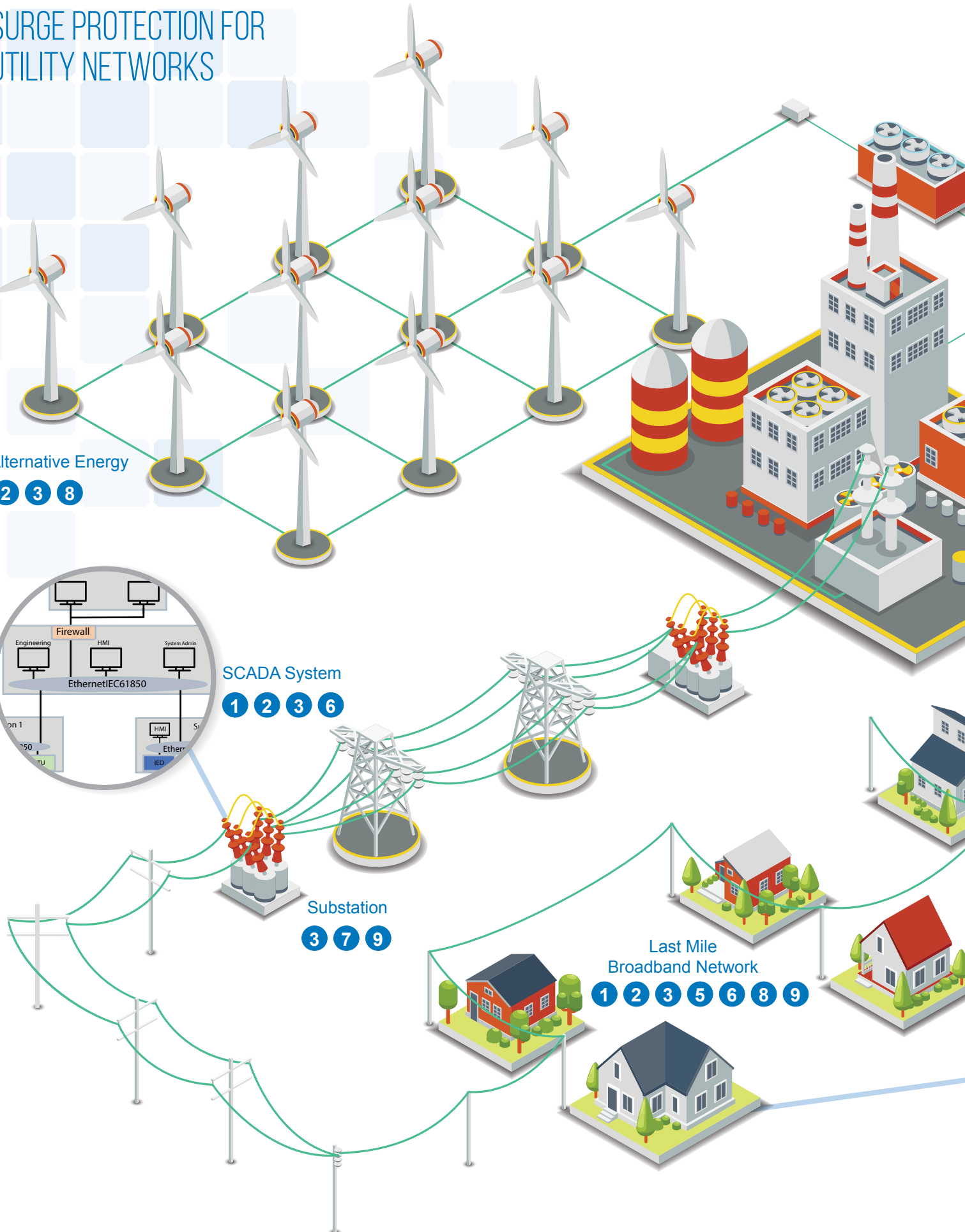
GROUNDING AND PROTECTION PROBLEMS?

Contact us at +1 (208) 635-6400 or email protection@transtector.com to schedule a site audit or discuss private training courses.

Power Plant
4 7 8

Data Center
4 7 8

AMI-Smart Metering
1

1 RF Protection – DGXZ Series

DC Pass arrestor engineered for 800 MHZ to 2500 MHz

2 DC Protection – DC Defender

Superior SASD surge technology for 48 Vdc outdoor applications

3 DC Protection – I2R IEP Series

Modular DIN Rail 24 & 48 Vdc single mode SASD protection

4 Data Line – CPX Series

Modular, Ethernet and GbE surge protector scalable to 16 ports

5 Data Line – ALPU Series

Protects GbE, PoE+ and GbE, PoE++ networks, for indoor and outdoor applications

6 Data Line – DPR Series

Multi-protocol equipment protector offers GT, SASD and hybrid technology

7 EMP-HEMP Tested – APEX IMAX HT Series

AC EMP surge protection options for 120/208, 120/240 and 120 Vac applications

8 AC Protection – SP Plus

Reliable MOV technology supporting voltages from 120 Vac to 600 Vac

9 NEMA Enclosures

Configurable indoor and outdoor NEMA enclosures and accessories

Smart Meter
12:34:56
01234 kWh
56789
0123456789