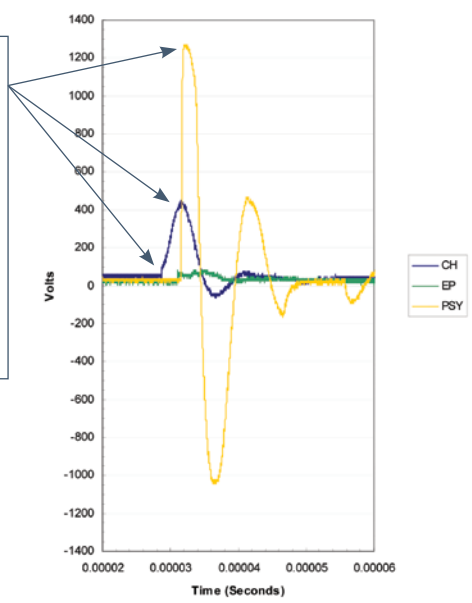
"21st Century Protection"

Discover the EP Solution for internal power pollution and learn why legacy solutions do not work!

Just 50 years ago the biggest threat to electrical equipment was catastrophic surge events. Now, equipment is smaller, faster and extremely sophisticated. Computerized, digital and electronic equipment all generate high frequency noise. This noise is responsible for ballast failures, equipment malfunctions, nuisance tripping of breakers and VFDs and shortened asset lifecycles. Approximately 85% of power pollution is generated inside facilities in the form of A1 & B3 ring waves.

Environmental Potentials' developed a product capable of dealing with this 21st century problem. Standard surge testing does not reveal how a product combats the threat of internally generated noise. A real test of how a device can protect sophisticated equipment is how well that device deals with A1 and B3 Ring Waves.

Figure 1: An A1 ring wave at 180 degrees. The green line represents EP. The blue line represents Cutler Hammer and the yellow line represents Psytronics. The higher the line goes the more danger there is to equipment.



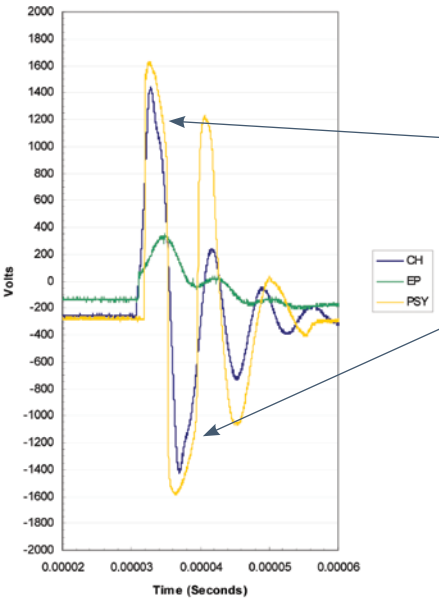


Figure 2: A B3 ring wave at 180 degrees. Notice the yellow and blue lines go above 1200V on both the positive and negative half cycle. This dangerous energy goes directly to expensive electrical equipment.

Let through voltage is the amount voltage let through the device and into the electrical system. Both of the EP competitors let through enough voltage to cause equipment malfunctions, waste energy and shorten the asset lifecycle.

Environmental Potentials' patented waveform correction technology is the only technology available that protects facilities from the 15% of external threats such as lightning and the 85% of internal threats such as noise. Every other company focuses on protecting from only the 15% of catastrophic surge events and not the 85% of the surges that disrupt the production process.

*to see the full testing reports please visit www.ep2000.com and click on the library link. Or email info@ep2000.com