

Power Quality service where & when you need it!

System analysis and evaluation of power quality issues to provide solution recommendations for the best possible performance from your existing power system.

Surveys of electrical system reliability have showed utility power supply is the largest single component affecting

The ability to quickly identify and remedy power quality problems will help ensure metering accuracy, lengthen the life of electrical equipment and improve power system availability.



Our representatives have the ability to quickly identify and remedy power quality problems that will lengthen the life of electrical equipment and improve power system availability.

Poor power quality such as harmonic distortion, low power factor, and the presence of other transients increase stress on facility electrical systems and can cause severe damage to equipment. Over time this increased electrical stress will shorten the life expectancy of electrical equipment and can cause nuisance tripping and unplanned shutdowns.



Regardless the size of the electrical system, power must be supplied that allows loads to operate effectively. Power disturbances often cross the meter boundary between utility and user causing motor overheating, transformer failure, nuisance tripping, data corruption and voltage sags and swells.

In an increasingly automated electrical world, it is important for a facility to evaluate power quality.

More equipment is in use today than ever before that is sensitive to power quality problems: VFDs, PLCs, electronic ballasts, data processing and medical equipment. These same loads are often the source of power quality problems.

Our qualified engineering technicians perform on-site data collection on facility electrical equipment.

We will:

Recognize symptoms of power quality problems including sags, swells, under or overvoltage, harmonics, transients, electrical noise (EMI/RFI/EMF), interruptions, wiring and grounding issues.

Classify power quality events according to IEEE, ITIC (CEBNA) and public utility standards.

Explain proper application and interpret results of power quality monitoring equipment.

Recommend viable solutions including proper wiring and grounding, surge protection devices, active harmonic filters, harmonic mitigating zig-zag winding & phases shifting transformers, power conditioners, line voltage regulators, line filters, power factor correction, UPS systems, etc.

Quality service & solutions from trained & trusted professionals.

Our power study will identify components and/or subsystems that may be compromising the integrity of your electrical

We work with utilities, industrial & manufacturing plants, government and commercial facilities. Our technicians are qualified to analyze electrical systems in any type of facility, utilizing IEEE standards & the National Electrical Safety Code.

