



**Energy Services - Power Quality**

**The Bottom Line** - In any marketplace the quality and reliability of power is essential.

Whether you are in an industrial manufacturing or process environment, a mission critical arena such as health care, primary infrastructure, data centre, or a commercial or institutional property owner, improvements will extend equipment life, minimize unplanned downtime, increase performance and retain customers helping you to achieve your overall performance and bottom line profitability goals.



**The Issues** - Common Power Quality problems include equipment trips, shutdowns, equipment failure, erratic control or process performance and random lockups and data errors.

These issues are caused by Power Sags, Swells, Transients, Harmonics, Frequency variations, EMI/RFI and Power Interruptions. They equate to loss of productivity, orders, customer dissatisfaction, product damage and waste, decreased equipment life and ultimately equipment replacement.

**The Solution** - The good news is that with the use of appropriate equipment such as Transient Voltage Surge Suppressors (TVSS's), Uninterruptible Power Supplies (UPS's), K type Transformers or Harmonic Filters, etc; Power Quality problems can be prevented.

**If you can't measure it you can't manage it**

Through a Facility Power Quality Audit and Analysis, issues with the power infrastructure can be identified. This Audit and Analysis will determine the root causes and provide practical recommendations to protect equipment and improve your bottom line.



Our Engineering Professionals use their extensive domain and power system expertise to identify improvements to complex power quality related issues.

**Can-Technologies are able to:**

- Conduct an On-site 'Power Quality Issue Awareness' presentation
- Perform a Full Facility Power System Audit and Analysis to qualify needs and define Power Quality Targets
- Develop Effective Strategies and Action Plans to meet defined Power Quality Targets
- Provide Turnkey Project/Plan Management Resources
- Design, Install and Commission applicable Power Quality solutions
- Provide Management and User Training (Strategies, Plans, Technology and Analysis Tools)
- Provide On-going Maintenance Audits, Training and Technical Support of Protection, Monitoring and Analysis Systems