

Data Systems Performance Engineering LLC Power Quality Services

- Evaluate electrical requirements for systems: current requirements, voltage requirements, line regulation, harmonic distortion, power factor, non-linearity of loads
- Troubleshoot existing power systems anomalies relating to input/output device instability, network problems, computer crashes, data corruption, AC line instability, equipment failures, harmonic distortion, etc.
- Evaluate existing electrical system for suitability for new equipment
- Size and recommend power conditioning apparatus: transient protectors, harmonic filters, isolation transformers, line conditioners, standby power systems, uninterruptible power systems, static transfer switches
- Document power system installation or problem correction requirements: drawings and specifications
- Design power systems for industrial or commercial data system facilities
- Test power system quality using harmonic analyzers, disturbance analyzers, oscilloscopes, digital volt-amp-frequency metering
- Procure equipment
- Interface with contractor installing equipment
- Inspect work performed and measure power system performance: regulation, common and transverse mode noise, harmonic distortion, panel loading and phase current balance