

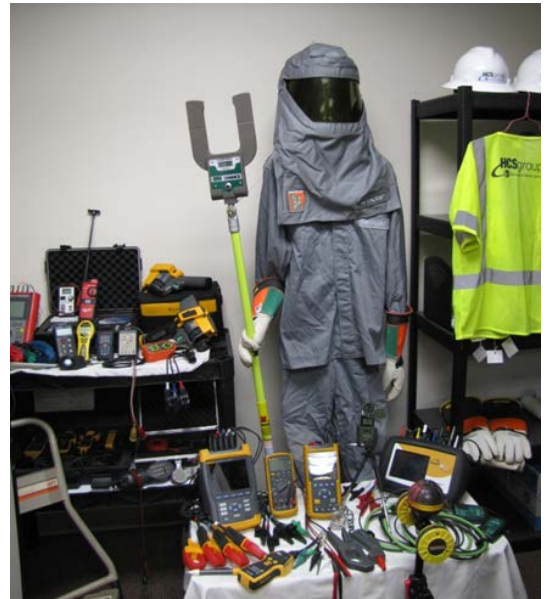
**HCS Technical Services Group** provides full service Power System Analysis, studies, testing, evaluations, reports, etc., that incorporates facility site surveys by engineers and technicians, testing and evaluation of electrical power systems and computer modeling. Reports include full system analysis, recommendations, and estimated costs for infrastructure corrections and/or upgrades.

**Specific Analysis:** The HCS Group leadership provides onsite power system analysis, monitoring, evaluation, infrared analysis, testing, event recording, etc. The following power system parameters can be evaluated in the HCS Group Engineering analysis:

- Overhead Distribution IR Scans
- Substation and Switchgear IR Scans
- Pad Mounted Distribution Equipment IR Scans
- Interior Distribution Equipment IR Scans
- Power Quality Analysis
- Load Studies and Analysis
- Transient Analysis
- Grounding and Lightning Protection Analysis
- Harmonic Current and Voltage Studies
- Short Circuit and Arc Flash Studies
- Coordination Studies
- Power Factor Correction Studies

HCS Group owns and operates all the equipment needed (over \$50,000 net worth) and it is calibrated on a regular basis. The following is a partial list of the equipment used to view the issues you may have, before you have to view the results of not finding them in time.

- Dranetz Power Visa Power Quality Meter
- Fluke 434 Power Quality Meter
- Fluke 43B Single Phase Power Quality Meter
- Fluke Ti32 IR Camera w/Wide Angle Lens and Telescoping Lens
- AMEC Grounding Electrode Resistance Clamp-On Meter
- Hubbell True RMS Load Looker Amp Probe w/Hot Stick
- Kerol Portable Weather Station



**HCS Group Testing Equipment  
Power Quality Analysis and Systems Testing**

Whether your network or system is critical care or mission critical we know how important it is to you. The professionals at HCS Group can assist you in your energy delivery system planning and engineering needs; to facilitate and enhance system reliability, sustainability and performance.

