

Services Brochure

Computer Power & Grounding Consultants, Inc.



True Independent Consultants who investigate your issues on site with advanced tools. Complete power / grounding analysis for resolving Today's High Technology Problems. Worldwide Since 1984. What can we do to assist your company?



PowerConsultants.com - PowerLineMonitoring.com - ElectromagneticSurveys.com - EMPConsultant.com - GroundingConsultants.com - GroundingServices.com - IndustrialGrounding.com
Telecommunications-Power-Grounding.com

PowerQuality@ATT.net GroundingGuy@aol.com

Power Lines Talk – We Listen & Translate!

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800-688-3896 x1 Fax: 847-574-7632



COMPUTER POWER & GROUNDING CONSULTANTS, Inc.

(800) 688-3896 x1 ♦ Fax (847) 574-7632

Business □ Industrial □ Financial □ HealthCare □ Telecommunications □ POS □ Military, City, State, Federal

Worldwide Services Since 1984

Diagnostic Field Troubleshooting / Design / Investigative / Project Management

Our services are generally the most comprehensive, cost-effective long-term solution to resolving your Power Quality, Grounding, Unknowns and associated field problems. Solutions are targeted to your issues.

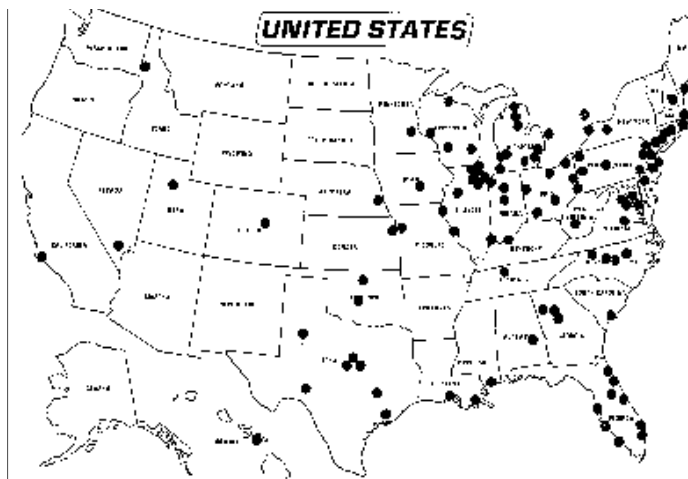
If you are experiencing a problem we will find it and advise you how it can be corrected. Written report to communicate issues found and recommendations for follow-up. We stand with you until issues are resolved. This includes continuing guidance to your staff or contractors.

We offer a broad range of Professional Quality Services with fast worldwide response tailored to address your needs. No assignment too difficult.

Our services range from on-site investigation of your most difficult problems or service issues to long-term projects that supplement your staff in either availability or professional skills. More than forty years field experience in the high technology fields worldwide.

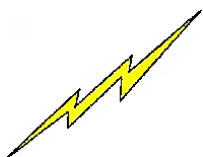
Can we help your company?

Cities We Have Served Our Clients through 1993



SERVICES / SPECIALTIES INCLUDE:

- **Site Pre-Installation Planning:** Contractor Checks
- **Disaster Planning:** Design, Potential Problem Finding
- **Identification of Power Line Anomalies**
- **Lightning Protection:** Power line, Grounding systems
- **Industrial Automation Control & Plant Grounding**
- **HealthCare Facilities:** C-T, Pet, MRI, Mobile Vans, NMed, Grounding, Cath Lab, Lithotripters, Patient Monitoring, Digital Radiography, Surgery, Critical Care Areas, Emergency & Essential Power Systems, ICU's, Heart Care
- **Data Centers / MIS / IT Departments:** Mainframes, Workstations, Client / Servers, Personal Computers, Lan's, Wan's, Routers, Cabinet Power Distribution, Cable Routing, Psychometrics (HVAC), Raised Flooring, Water Protection, Fire Protection, Electrostatic Discharge, **Grounding, Ground Loops**, EMI, Surge / Sag / Transient Protection, **Power Quality Audits** / Studies, Video Walls, UPS Load Bank Testing / Installation / Performance Acceptance, **Lightning Protection / Site Commissioning**
- **Critical Power:** UPS, Emergency Back-up, Automatic Transfer Power Systems and Design, Emergency Gen-Sets
- **Telephone Switches / Cellular Communications:** Battery Maintenance, Bellcore Grounding, Power Quality, Lans, Wans, Internet / Intranet, Routers, Satellite Links, Lightning Protection, Remote CO's
- **Infrared Thermographic Viewing of Switchgear, etc.**
- **High Voltage Ultrasonography**
- **Facility Safety Checks to Fed & State Requirements**
- **New electrical installation review** and checkout to design criteria and safety inspection / investigations
- **Investigations** to discover causes of existing, or past problems - From the Power-line to Software to Politics
- **All Services tailored to your needs - you control costs**
- **Environmental Survey's:** Powerline - Sag's, Surges, Impulses, Transients, "Glitches", **Harmonics**, Lightning, Outages, Utility, etc. **Radio Frequency** - EMI, RFI, ELF Hazards, ESD, NEMP, Lightning **Other** - Magnetic Fields, Humidity, Temperature, Corrosion, **Grounding**, Unknowns
- **Earth Testing and Ground Field Design, Safety Checks**
- **Investigations of service quality and downtime issues**
- Field Electronic Circuit Board Failures, product redesign assistance, assist corporate engineering departments in resolving field failures, Surge testing and failure analysis to EU and other standards
- Analysis of utility power quality, Variable Speed Drives
- Complete tests of facility power systems performance
- We act as investigators in electronic and electrical damage claim cases for insurance companies and insured
- We help Service Organizations discover the cause and assist in resolving service problems at their customer locations and within their own organizations - anywhere.
- **24 / 7 Emergency Response Worldwide**



Power or Grounding Problems? Let Us Help You!

Large data Centers • Industrial Processes • Automation • Process Control • Critical / Crucial Operations • Continuous Processes • Telecommunications • Cell Sites • Lightning Storm Survival • Emergency Power • UPS High Reliability Power • Co-Generation • Disaster Planning • Lightning Protection • POS • Power Outages • Equipment Damage & Upset • High Security Systems • Grounding Problems • Utility Providing "Flashes & Flickers" • Unreliable Power • Unknowns • Electromagnetic Safety Hazard

Our History

In 1985, our firm began providing seminar training for clients and other assistance to such companies as: Dallas Power & Light, Florida Power & Light, Appalachian Power, Philadelphia Power, Bell South, New England Telephone, Rural Electric Association, General Services Administration, United Kingdom Dept. of Health & Social Security, GE Medical, Siemens Medical, Philips Medical, R. O. Associates, etc. We have expanded our services over the years to include those necessary to address our client needs.

Clients have included: AT&T, Chevron / Texaco, Air Liquide, United Tote, Electronic Data Systems (EDS), Data Scan, Encyclopedia Britannica, Merchantile Exchange, Midwest Stock Exchange, Maxspeed, U. S. Marine Corps, McDonalds, BTI America, Household International, Ecusta Credit, Clark Refining & Marketing, Iwatsu, Hewlett Packard, Shopko, Guarantee Trust Life, Rubicon, Yale University Electrical Engineering Lab, Digital Latin America, Transtector Systems, Veterans Administration, Nortel and many others since 1985.

What can we do for you?

Our Professional Quality Services dig out and surface "what is going on", to cause you downtime, damage and upset to your facility or plant operations. We are specialists in finding and helping to resolve your lightning, power, grounding and environmental problems - yes that's all we have done for many years, originally for IBM, Univac and GE. Then we recommend solutions without undue influence of vendors trying to "sell" you all their solutions. We choose what is best for you. Then you have a chance to review all options in your best interest. Our only income is from client services.

If you wish, we will be there to help your electrical contractor or facility maintenance personnel correct the problems we find, with guidance and on site support to effect the recommendations we provide in our report to you. So, in effect, we act as your "on site project manager" to find and help you resolve your most "sticky" and difficult problems. We won't leave you with just a report and confusion, but will stick beside you until things are operational again. Our quality solutions help you get back up and on line reliably.

So why not consider us when you need outside assistance?

We have reasonable rates and fast response to your needs. We provide a bound high quality color report and optional data file for your information and decision making.

We can also provide a video / slide / overhead presentation to formally explain our findings to management and staff. This would include our findings, recommendations, costs involved and a plan of attack to resolve your problems. This will allow your organization to understand the process and contribute to problem resolution.

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