

## Power Quality Consultants

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### Consultants List

<b>A</b>	Applied Power Technologies
<b>B</b>	B. Ben Banerjee, consultant
<b>C</b>	Edward C. Cantwell, dba PowerTek Services
	Competent Technical Services
	Cooper Power Systems Division of Cooper Industries
<b>D</b>	Digital Environmental Solutions, Inc.
<b>E</b>	Eaton Electrical Services & Systems
	Electrical Equipment Sales
	Electrical Reliability...formerly <i>Electro Test</i> ...a division of Emerson
	Electrotek Concepts, Inc.
	EPRI
<b>F, G</b>	GE Energy Services
<b>H, I, J, K</b>	George Kamburoff, consultant
<b>L, M</b>	Mission Critical West
<b>N, O, P</b>	PowerCET, Education and consulting
<b>Q, R</b>	R. O. Associates, Inc, P.Q. education/consulting
<b>S</b>	Shaw Power Technologies, Inc. (PTI)
	John Sullivan, consultant
<b>T</b>	Twin Link - Electrical Power Systems Analysis/Troubleshooting
<b>U, V, W, X, Y, Z</b>	

## A

### **Applied Power Technologies**

10601 S. De Anza Blvd., Suite 106  
Cupertino, CA 95014  
Tel. (408) 342-0790; Fax: (408) 342-0797  
Email: <mailto:rcelio@apt4power.com>  
Richard C. Celio, P.E., Principal  
Providing electrical systems measurement and monitoring solutions

## B

### **B. Ben Banerjee, independent consultant**

2759 Middleborough Circle  
San Jose, CA 95132  
Tel: (408) 258-1569  
Cel: (408) 832-2141  
Fax: (408) 937-1850  
Email: <mailto:ben.banerjee@sbcglobal.net>  
Power Quality Consultant. Sixteen years with EPRI in Power Quality program management. Active participation in most power quality mitigation schemes.

## C

### **Edward C. Cantwell, dba PowerTek Services**

Power Quality Consultant  
99 Mayer Avenue  
Wheeling, Illinois 60090, (near Chicago)  
Tel: (847) 808-1555  
Fax: (847) 808-9259  
Email: <mailto:eccpowertek@aol.com>  
Former chapter chairman to IEEE Emerald Book on Power Quality, former member in revising IEEE Green book on grounding and former member on NFPA revisions to NEC on grounding.  
Nationally recognized power quality and grounding expert, his daily fee is probably around \$1,000 plus expenses.

**Competent Technical Services**

429 El Alamo  
Danville, CA 94526  
(925) 743-4115  
Jack Manska, owner  
Offers energy and power quality monitoring and analysis

**Cooper Power Systems Division of Cooper Industries**

1801 Murchison Drive  
Burlingame, CA 94010.  
Tel: (415) 692-4431, Ext. 17  
Fax: (415) 692-0483  
Web: <http://www.cooperpower.com/services/consulting/>  
Davis S. Brucker  
Senior Apparatus Engineer  
Published excellent Harmonics design guide in 1988.  
Distribution equipment vendor for utilities.  
Has expertise to help with power quality and reliability concerns.

**D****Digital Environmental Solutions, Inc.**

P.O. Box 135  
Murray, Nebraska 68409, (near Lincoln)  
Tel: (402) 235-3825  
Fax: (402) 235-3826  
Email: <mailto:reatech@alltel.net>  
Larry R. Rea, President  
Rea Technology offers complete site power, grounding, and environmental surveys at any location. The cost is \$1,050 per day plus travel expenses. Larry also has scheduled 3 and 5 day power and grounding seminars six times a year in Omaha, Nebraska at the Ramada Inn, (airport). The five day seminar cost \$695 and the three day is \$575. On-site classes are available.

## E

### **Eaton Electrical Services & Systems (Cutler-Hammer/Westinghouse)**

2637 Collier Canyon Road

Livermore, CA 94551

Tel: (925) 454-3600

Tel: 800-498-2678, 24-hour service

Web: <http://www.eaton.com/EatonCom/Markets/Electrical/index.htm>

Local Office: Carlos R Hernandez, Hayward, Cell: (510) 773-7035

Intelligent solutions for existing, evolving and unexpected service needs.

Power Quality site surveys, monitoring and evaluation

Power System Studies include: short circuit/protective device evaluation; protective device coordination; load flow; insulation coordination; power factor correction; grounding; harmonics; reliability studies; & switching transients.

Specialized studies and electrical system evaluations are also available.

Training programs include: distribution system analysis; power quality & grounding; electric equipment maintenance; protection and coordination and AC drives maintenance.

### **Electrical Equipment Sales**

1338 Reliez Valley Road

Lafayette CA 94549

Tel. (510) 945-0544

Manufacturers' Rep for Commonwealth Sprague Capacitors and Harmonic filters, Robicon ASDs and MTE line reactors

Capable of harmonic analysis for specific job sites

Dick and Chuck Tremaine

### **Electrical Reliability Services, a division of Emerson...formerly *Electro-Test*.**

San Francisco Area Service Center

6900 Koll Center Parkway, Suite 415

Pleasanton, California 94566

Tel: (925) 485-3400

Fax: (925) 485-3436

Sacramento Area Service Center

1808 Tribute Road, Suite E

Sacramento, California 95815

Tel: (916) 920-5014

Fax: (916) 920-9020

Web: <http://www.electricalreliability.com/>

Doug Thomsen, Regional Manager

Calibrate and adjust GFI/Circuit breaker testing/Protective relay testing

Thermo scanning for loose connections

Retorquing /switchboard maintenance

Customer substations, switchgear, transformers metering

Power quality and energy monitoring and analysis

They do extensive training of electrical maintenance personnel

**Electrotek Concepts, Inc.**

408 North Cedar Bluff Road, Suite 500

Knoxville, TN 37923-3605

Tel: (865) 470-9222

Large industrial power quality analysis

Computer modeling with simulations, EMTP, Harmflow

Distribution engineering

Electrotek was EPRI contractor on large customer and distribution power quality studies. PG&E was a co-sponsor on both.

**EPRI**

3420 Hillview Avenue,

Palo Alto, California 94304

Power Quality Hotline: 1-800-832-7322

Web: <http://my.epri.com/>

Tel: 800-313-3774 or 650-855-2121

**Order and Conference Center:**

704-595-2871 (fax)

Email: <mailto:orders@epri.com>

Funded by EPRI Electric Power Research Institute

Free advice offered to member utilities.

**F, G****GE Energy Services**

Power Systems Energy Consulting

General Electric International, Inc.

1 River Road, Building 36-407

Schenectady, NY 12345 USA

Phone: (518) 385-2222

Fax: (518) 385-8570

Email: <mailto:lucienne.walker@ps.ge.com>

Web: [http://www.gepower.com/prod\\_serv/index.htm](http://www.gepower.com/prod_serv/index.htm)

## H, I, J, K

### **George J. Kamburoff**

Consultant in electrical power, alternative energy, power quality  
533 Westover Lane  
Pleasant Hill, CA 94523  
Tel/Fax: (925) 256-1444  
Email: <mailto:george@kamburoff.com>  
Web: <http://www.kamburoff.com/>

## L, M

### **Mission Critical West, Inc.**

6010 Pacific Coast Highway, Suite 11  
Redondo Beach, CA 90277  
Tel: (310) 791-0734  
Web: [mcwestinc.com](http://mcwestinc.com)  
Managing principal: Dennis P. DeCoster  
A southern California company offering power quality consulting services, complete "TurnKey" UPS & Genset installations, power monitoring services, and installation support for mission critical clients and equipment manufacturers.

## N, O, P

### **PowerCET**

3350 Scott Blvd., Bldg 55, Unit 1  
Santa Clara, CA 95054  
Tel: (408) 988-1346  
Fax: (408) 988-4869  
Web: <http://www.powercet.com/>  
Bruce Lonie  
Tom Shaughnessy  
General power quality consulting, have particular expertise in high frequency noise, and have excellent training programs with Dranetz, BMI, and RPM monitors set up in classrooms. Sell Power Quality training courses on video tape. Provide on-site analysis worldwide.

## Q, R

### **R. O. Associates, Inc., a subsidiary of Transtector Systems**

10701 Airport Dr.

Hayden, Idaho 83835

Tel: (800) 882-9110;

Tel: (208) 772-8515

Fax: (208) 762-6181.

Website: <http://www.roassociates.com/>

Power and Grounding education and consulting

Transtector is a manufacturer of transient suppressors

R.O. Associates has power quality training classes in the bay area one or two times a year. Two day class cost \$795/person

One-day course covers the principles of grounding for both AC and DC systems including grounding for lightning protection, data line and instrumentation grounding, proper installation and troubleshooting.

## S

### **Shaw Power Technologies, Inc. (PTI)**

1482 Erie Boulevard

Schenectady, NY 12305

Tel: (518) 395-5000

Web: <http://shawgrp.com/>

A consulting engineering company

PSSE, Power System Simulation Engineering Software, experts in harmonic analysis, EMTP

### **John Sullivan**

Power Quality consultant

Half Moon Bay, CA

Cel: (650) 722-0179

Email: <mailto:Sullivan@coastside.net>

**I, U, V, W, X Y Z**

**Twin Link - Electrical Power Systems Analysis/Troubleshooting**

3131 Homestead Road, Apt. 11D

Santa Clara, CA 95051

Tel: (408) 423-9577

Email: <mailto:sschumer@comcast.net>

Steve Schumer; Cel (408) 966-9550