

2008 Life of a Transformer Expo

COMPANY	BOOTH #	COMPANY DESCRIPTION	SHOWGUIDE CONTACT
Albarrie Canada Limited	42	Albarrie Canada Limited is presenting the SorbWeb TM Plus secondary oil spill containment system. SorbWeb TM Plus is a cost effective and reliable passive system that provides continuous protection against oil spills from transformers. The system allows rain water and snow melt to pass through with no pumps or maintenance. Contact Albarrie at 1 866 269 8275. www..sorbwebplus.com.	Albarrie Canada Limited - Head Office 85 Morrow Road Barrie, ON Canada, L4N 3V7 Toll-free: (866) 269-8275 Phone: (705) 737-0551 Fax: (705) 737-4044 E-mail: albarrie@albarrie.com Web: www.albarrie.com www.sorbwebplus.com
Baron USA, Inc	46	Baron USA, Inc. is the premier provider of Transformer Dry Out Systems, Transformer Oil Processors, FR3 systems, Silicon Fluid Purifiers, and other Dielectric Fluid Reclaimers. Control options include "one button" control systems, data logging, moisture monitor, transformer dry out estimator, and other features. The Baron AUTOS line is an unattended automated on line dry out system for use on energized transformers. We also design and manufacture Vapor Phase Systems, Vacuum Impregnation Chambers, Cold Traps, Fuller's Earth Systems, Circuit Breaker Filtering Trailers and SF6 Reclaimers. Intelligent Solutions for solving today's problems and meeting tomorrow's challenges!	350 Baron Circle Cookeville, TN 38501 Ph: (931) 528-8476 Fax: (931) 526-2219 Contact: Derek Baranowski E-mail: sales@baronusa.com Web: www.baronusa.com
Beckwith Electric	32	Beckwith Electric, founded in 1967, is a premier provider of innovative and high quality products, technical services and solutions that meet the needs of customers involved in the production, transmission, and distribution of electric power. Beckwith Electric's products include tapchanger, regulator, and capacitor controls, protective relays, custom services and solutions, and equipment for synchronizing and motor bus transfer.	6190 118th Ave N. Largo, Fl. 33773 (727) 544-2326 http://www.beckwithelectric.com/
Colt Dynamic Ratings Pty Ltd	49 37	The Power Services Division of Colt Atlantic Services provides repairs to oil, nitrogen and SF6 gas leaks without draining or de-pressurizing the equipment. A proven injection process greatly reduces or eliminates outage times. All repairs are documented and guaranteed for two-years with a conditional life time guarantee. The Power Services Division of Colt can be contacted at (toll free) 866-572-5325 or through our web site at www.coltonline.com.	P.O. Box 74396 Richmond, VA.23235 Jim Hackett
FLIR	36	FLIR Systems is the global leader in infrared cameras. For more than thirty years, utilities worldwide have used FLIR infrared cameras to identify problems before they turn into costly failures, downed equipment, or dangerous electrical fires. FLIR provides utilities with the most advanced thermal imaging solutions to support the predictive/preventive monitoring programs that keep the vital electrical power grid up and running. FLIR ThermaCAM® infrared cameras' smart, Web-ready design allows utilities to monitor remote substations and critical assets 24x7 via the Internet. Lightweight and rugged, these FLIR cameras are ready to handle any situation in the field.	Steve Chisholm Inside Sales Manager FLIR Systems 25 Esquire Road N. Billerica, MA 01862 Phone: (978) 901.8866 Email: info@flir.com

Nynas is a global refiner and producer of mineral transformer oils. Nynas stores transformer oil in Houston, TX, Long Beach, CA, and Montreal, QC, for customer throughout North America. Nynas manufactures Type I, Type II, and Arctic Grade Canadian Class A/B oils.

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equipment. All parts are made to the original OEM specifications and meet the manufacturers rigorous quality standards.

If you are looking for genuine GE replacement parts for your Switchgear, Circuit Breakers, Controls, Drives, or Transformers the PSC is here to help.

As your source for GE Rome and Pittsfield Transformers, the Parts Super Center can support all of your parts needs, including...

Pumps, Gauges, Bushings, Gaskets, Fans Packages, LRT Replacements, Load Interrupter Switches

The Parts Super Center can also provide complete new replacement units for GE Rome Transformers. Replace your aging Rome Transformer with a brand new unit that is identical in both physical size and performance specifications. Reduce down time and conversion costs with one of PSC's Rome Replacement Transformers.

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17 • Technical publications and catalogs

Parts Super Center

Power Substation Services (PSS) specializes in the installation, assembly, vacuum-filling, repair and testing of Substation, Power and GSU transformers throughout the United States. PSS has state of the art mobile rigs and experienced technicians for performing hot oil reclamation (dehydration/degas) on energized transformers. In addition, PSS is the only company in the United States with the permitted technology to destroy PCBs in the oil while performing the hot oil reclamation, a process known as PCBXSM.

Contact Parts Super Center today at
(800) 341-1010 or visit us at
www.PartsSuperCenter.com
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E-mail: sreed@powersubsvcs.com
Web: www.powersubsvcs.com

Power Substation Services

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partial discharge (PD), two top engineers from a government research group created the future of PowerPD in 1996. We are committed to being the leader in the industry in providing high quality, low cost, test equipment to be used on transformers, GIS, CGIS, Cables, Motors, Generators and Metal Clad Switchgear. This early detection of equipment malfunction and eminent failure will not only prevent the catastrophic event and loss of revenue, but also to serve a vital tool for power plant engineers and managers to maintain system integrity.

PowerPD benefits are;

- PowerPD's installed equipment offers continuous on-line monitoring of UHV/HV Substations by monitoring and recording real acoustic, electrical, and electro magnetic waves.
- PowerPD's multi-functional portable equipment allows flexibility of testing and monitoring during normal inspection process.
- PowerPD's equipment monitors and measures a PD pattern trend to give valuable tool for

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Reinhausen welcomes you to visit booth #45 for the latest in transformer control solutions. Your expected quality and reliability of tap changers, automatic voltage controllers and other peripheral components can be found at Reinhausen
SEL is a leading manufacturer of monitoring, control, protection, communications, and security solutions, covered by a worldwide, ten-year warranty, and has the strongest customer support in the North American electric power industry.

SEL is known for innovative, reliable solutions, such as the SEL-387 transformer management system, which provides thermal overload and through-fault recording for accurate maintenance scheduling, and the SEL-2411 monitoring and control system.

Serveron develops, delivers and supports on-line transformer monitor products, and diagnostic services transforming utility assets management. Serveron asset condition assessment and management tools are critical to utilities in improving grid reliability, while optimizing the management and economics of their asset base.
Manufacturer of the TRANSFORMER PROTECTOR™ device which is used to reduce the incidence of transformer explosions and fires by means of high level mechanical techniques that can be applied to all oil-filled transformers with ratings of 1 MVA and larger.

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808 Russell Palmer Road, Suite 264

PowerPD

43 engineers to make decision to save cost in repairs and loss of revenue

Reinhausen Manufacturing, Inc

45 other peripheral components can be found at Reinhausen

Schweitzer Electric Laboratories

22 accurate maintenance scheduling, and the SEL-2411 monitoring and control system.

Serveron

35 while optimizing the management and economics of their asset base.
Manufacturer of the TRANSFORMER PROTECTOR™ device which is used to reduce the incidence of transformer explosions and fires by means of high level mechanical techniques that can be applied to all oil-filled transformers with ratings of 1 MVA and larger.

Transformer Protector Corp

48 During a transformer short circuit, the TRANSFORMER PROTECTOR™ (TP) is

Trench Limited USA The Trench Bushing Group is the largest capacitance graded bushing manufacturer in the World with factories located in Europe, North America and Asia. The Bushing Group produces bushings using "State-of-the Art" Oil Impregnated Paper technology, Epoxy-resin Impregnated Paper technology, Resin Bonded Paper technology and bushing using 16 SF6 Gas technology with over 90 years of proven experience.

Trench Limited
432 Monarch Avenue
Ajax, Ontario L1S 2G7
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Phone: 905-426-2665
Key Contact: Dave Wallace, Ex 402

Vacudyne

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Turn oil handling into art with Velcon! Our fixed, portable, and mobile filtration and storage systems combine such features as versatility, simplicity, and quality to purify insulating oil using advanced **Superdri**® cartridge technology. With this technology Velcon's load tap changer filter systems, oil filter trailers, and on-line transformer drying systems out-perform other manufacturers' systems. See our website at <http://www.velcon.com> for additional information.

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Colorado Springs, CO 80907
Contact: Ben Taylor, ext. 7229.
Telephone: 719-53-5855, Toll-free:
800-531-0180
Fax: 719-531-5690
Email Address: vfsales@velcon.com
URL: www.velcon.com

Velcon Filters, Inc.

Please note: "SuperDri" is a registered trademark - ®. The font required is "Bauhaus Heavy". The registered trademark symbol should be superscripted in regular font 44 immediately following the word.

ZTZ Services International

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AREVA T&D is a major supplier of High Voltage Electrical equipment. The AREVA T&D Power Transformer division is a worldwide supplier featuring eight (8) Power Transformer factories with a total annual capacity of > 85,000 MVA. Capacities range to 800 kV and to > 1000 MVA. Equipment is designed, built and tested to ANSI standards. 15 Auto Transformers, Generator Step Up, Step down and Shunt Reactors.

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AREVA T&D
DryKeep USA

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Lumasense	28	LumaSense Technologies is a premier sensor company with a primary focus on clean technology sensing of temperature and gas parameters. With several options for the Energy Industry, LumaSense (formerly Luxtron) is the world leader of fiber optic temperature sensing of high voltage electrical gear including winding hot spot temperature sensing in transformers. LumaSense has over 25 years experience with winding hot spot temperature measurement and has been installed in over 1,000 transformers globally. LumaSense also offers Mikron portable and fixed thermal imagers for various applications	Brett Sargent, Sr. Director Utility Products Ph: (404)512-6336 Main ph: (408)727-1600 Fax: (408_727-1677 Email: b.sargent@lumasenseinc.com, info@lumasenseinc.com 24 HOUR SERVICE NUMBER - (888) 599-0486 SALES Cody Whisenhunt Susanne Kennedy www.bcswitchgear.com Susanne@bcswitchgear.com Cody@bcswitchgear.com
BCS Switchgear, Inc.	38	BCS can furnish the following equipment Circuit Breakers – Load Break Switches – Molded Case Breakers – Insulated Case Breakers – Relays- Transformers - Motor Control Centers – Breaker Parts Replacement Contacts - AC/PRO Solid State Trip Device Recondition & Repairs. Industrial Electrical Equipment Circuit Breakers and Switchgear	
ABB	5, 6	transformers as well as the most comprehensive transformer recycling and removal services available. We have vast experience in the safe dismantling and approved recycling of transformer metals. Our unique on-site transformer decommissioning process encompasses units ranging from 5 KVA up to 1200 MVA. Along with our licensed EPA approved	Anne Bailey anne@alineds.com 808 Dearborn Ave Waterloo, IA 50703 USA Tel: 319-232-3889
A-Line	9	reclamation furnace located at our facility in Waterloo, IA, we provide our clients with	480 Neponset Street, Building 3 Canton, MA 02021 http://www.99aetco.com 781-821-0121 1-800-99AETCO Marketing Contact: Paul M. Kelly Company Contact: Charles K.
American Electrical Testing Co., Inc	23	American Electrical Testing Co., Inc. provides power system studies and complete engineering and testing services for acceptance, maintenance, retrofit and repair of electrical power distribution systems and equipment.	
Digital Inspections / Delta X	29	PROVIDE CUSTOMERS: A fair return on assets Environmentally safe disposal of oil filled electrical equipment	1800 HARRISON AVENUE KEARNY, NJ 07032 PHONE: 201-998-9244 FAX: 201-998-3349
G&S Technologies	11	Related PCB and Non-PCB services	
GE	3, 4		

GridSense presenting the TransformerIQ™ Monitoring Platform

GridSense	<p>GridSense is a leading manufacturer of intelligent line monitoring, power quality and condition monitoring systems which includes the TransformerIQ comprehensive and scaleable transformer monitoring platform and the SubstationIQ SCADA server and 47 Windows annunciation client. The TransformerIQ offers a single-model solution for</p>	<p>Sales_NA@GridSense.net www.GridSense.net Phone (310) 645-0755</p>
HICO	<p>HICO America, with headquarters in Pittsburgh Pennsylvania, is a part of the HICO division of the Hyosung Corporation, a \$5.5B publicly traded corporation based in Seoul, South Korea. HICO has been manufacturing power transformers since 1969, when it began a technical relationship with Westinghouse Corporation which lasted until the 1990's. We are extremely proficient with manufacturing medium and large power transformers, both core and shell form technology, up to 765kV 2050kV BIL, 2,200MVA 18 capacity, as well as large power shunt reactors. HICO also offers SF6 power circuit</p>	<p>Vincent Chiodo Sales Manager Direct: 412.787.1170 ext. 212 Fax: 412.787.2270 Email: vchiodo@hicoamerica.com Website: www.hicoamerica.com</p>
High Voltage Supply, a division of V	<p>A leading manufacturer of transformer, LTC and breaker components including a line of Transformer Health Products™. Valued supplier of LTC services including maintenance training, failure analysis reporting and complete overhauls. In addition, HVS has built a 7 strong reputation as an industry leader in reverse-engineering and design enhancement.</p>	<p>Waukesha Electric Systems 9011 Governors Row Dallas, TX 75247-USA 214-637-4434 800-338-5526 Fax: 262-637-1157 Fernando Lujan</p>
PCORE Electric Co., Inc.	<p>PCORE Electric, a subsidiary of Hubbell Power Systems Inc., is North America's only company 100% focused on the manufacturing of capacitance-graded bushings, and related components, for transformers and oil circuit breakers in the ANSI and CSA marketplace. PCORE offers a wide range of products, including 15kV-69kV PRC® Bushings, 25kV-500kV POC® Bushings, and 25kV GSU Bushings. PCORE's time and cost-saving products include the PCORE® Test Terminal, Bushing Repair Service and the patented Quick Link Bushing™. PCORE will provide tailored solutions to the North American electric industry for bushings and related components. We are committed to delivering the best possible value 19 to our customers, employees, owners, vendors and community.</p>	<p>PCORE Electric Company, Inc. 135 Gilbert Street LeRoy, NY 14482 USA Phone: 585-768-1200 Fax: 585-768-1212 Email: info@pcoreelectric.com www.pcoreelectric.com</p>
Physical Acoustics Corporation	<p>power transformer. The use of AE in power transformers allows the Maintenance Engineer not only to detect but also to locate where the problem is originating on the unit. This Inspection is performed with the transformer in-service and with no disruption of its operation. At the end of the test, a three dimensional location plot is obtained, information about the type of fault present as well as a determination of the intensity of the problem based not only on the AE data but also on the results from other NDT tests performed on-site such as Gas Chromatography and moisture (portable instrument), Infrared Inspection, Vibration,, Oil quality tests and Electrical detection methods. The results are compared to an existing database with more than 360 cases from tests done worldwide. Physical Acoustics also manufactures Acoustic On-line monitoring systems that are installed on critical transformers to be monitored for days, weeks, months or permanently. The acquired htm 24 data is uploaded to a protected webpage that can be accessed by the customer at anytime an</p>	<p>Arturo Núñez Substation Reliability Services & Products Manager Cellular: (267) 968-3289 Office: (609) 716-4162 Fax: (609)716-0706 www.qslplus.com/power_equipment. anunez@pacndt.com</p>

<p>Power Asset Recovery Corp SD Myers Unifin International LP</p>	<p>Power Asset Recovery Corporation (PARC) is one of the largest dealers in the world for New Surplus/Used Reconditioned distribution and power transformers up to 950,000 KVA, 500 kV. We have an extensive stock of transformers that we own and transformers on consignment from utilities and industrial customers. Go to www.bigpowertransformers.com. We also have transformer parts in stock including new/unused transformer bushings up to 500kV and related substation components such as SF6 breakers. Go to www.bigtransformerparts.com. PARC now represents a new transformer manufacturer that builds power transformers up to 200,000 KVA and mobile substation transformers up to 50,000 KVA, a company that dismantles and scraps transformers, and a company that provides transformer field service. "Quite simply, we are the best at what we do"</p>	<p>Power Asset Recovery Corporation 3801 Whipple Ave. NW, Suite 1 Canton, OH 44718 Ph: (330)493-1890 Fax: (330)493-1893 Company Contact: Mark Haas or Missy Battista E-mail: mark@power-asset.com or missy@power-asset.com Web: www.power-asset.com</p>
<p>Virgina Transformer Corp</p>	<p>Power transformers for Utility, Industrial / Commercial applications, Virginia Transformer Corp is your single source for all your needs and has been since 1971. We manufacture a complete range of power transformers in three manufacturing plants in North America. From industrial applications to Utilities across the world, each have specified their needs which have been fulfilled by Virginia Transformer's engineering and design team. The VTC team has designed transformers to perform at 14,000 feet in the mines in mountains of Chile and for the day to day grueling New York Subway System to Generator and substation applications. So imagine what VTC can do for you. Manufacturing power transformers is what we do, all we do, and we excel at it. Our broad base of products include: Liquid Filled to 300 MVA, 230 kV class, Dry Type and UNICLAD® - the premium line of encapsulated transformers to 20 MVA, 34.5 kV class. We are the market leader for lead times and specialty applications. As such the team at Virginia Transformer Corp prides themselves on insuring that all of your requirements are met. Virginia Transformer Corp</p>	<p>220 Glade View Drive Roanoke, VA 24012 540-345-9892 x115 Debbie Custer Debbie_Custer@vatransformer.com www.vatransformer.com</p>
<p>Waukesha Electrics</p>	<p>Largest U.S. manufacturer of power transformers (in the range of 10–200 MVA, 345kV) and valued supplier of complete transformer service solutions. Our components division, High Voltage Supply, offers transformer, LTC and breaker components including a line of Transformer Health Products™ as well as training and reverse-engineering capabilities</p>	<p>Waukesha Electric Systems, Inc. 400 S. Prairie Avenue Waukesha WI 53186-5969 USA 262-547-0121 800-835-2732 Fax: 262-521-0196 David Harris info@waukesha.spx.com www.WaukeshaElectric.com</p>
<p>TOTAL</p>		