



Electric Energy T&D

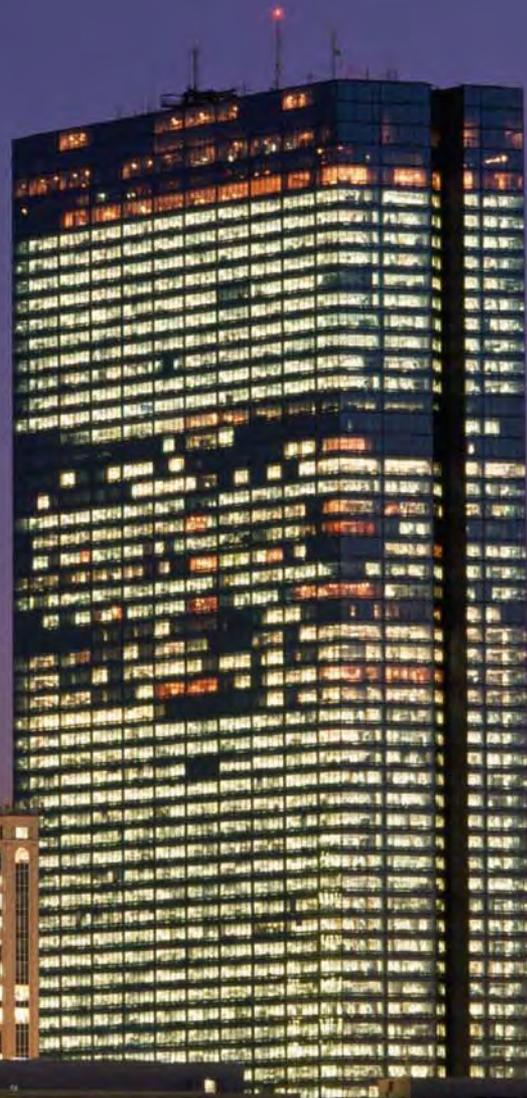
MAGAZINE www.electricenergyonline.com

OFFICIAL SHOW GUIDE



The 2007 International Conference of Doble Clients

March 25 - 30, 2007
Westin Hotel Copley Place
Boston, MA USA



See inside for:

- Conference Schedule of Events
- Industry Expo Floor Plan
- Exhibitor Information
- Hospitality Suites
- Companion Activities

...and more!

The next generation of transformer oils is already here

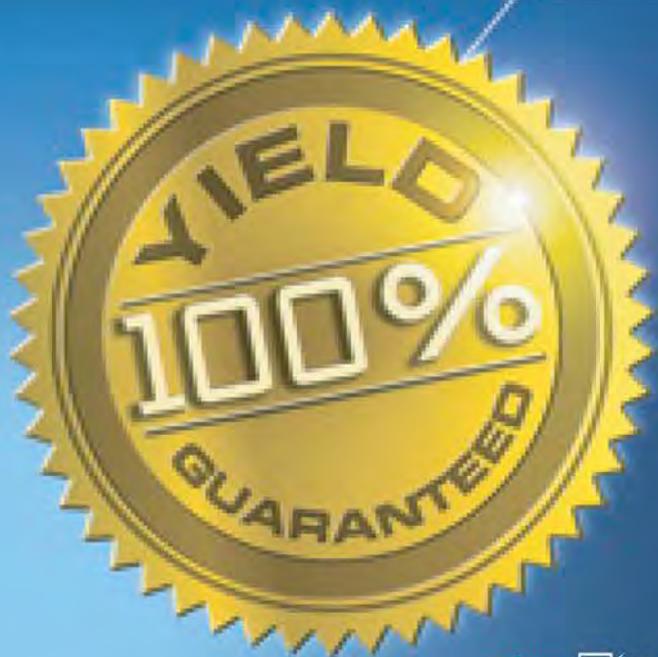


Take a close look at our new Nova Grades. Their key benefits are the good performances regarding copper corrosion and oxidation stability; both have positive impact on the lifetime economy of a transformer. The range includes uninhibited, trace inhibited and fully inhibited products meeting tomorrows more stringent requirements. Visit our homepage to find out more about the transformer oils of the future.

\\ Expect more



Fiber optic sensors for direct measurement of transformer winding hot-spot temperature



  Weidmann tested

« **Come see us** at booth #53
during the Doble conference
to know more about our exclusive

Zero Fault™ system. »

opSens
www.opsens.com

Innovation
Precision
Solutions

2014, rue Cyrille-Duquet, suite 125
Québec QC G1N 4N6 Canada
418.682.9996, ext. 231
fr@opsens.com

Publisher:

Steven Desrochers: steven@electricenergyonline.com

Editor:

Gordon McCormick: gordon@jaguar-media.com

Account Executives:

Jimmy Desjardins: jimmy@electricenergyonline.com

Steven Desrochers: steven@electricenergyonline.com

Circulation Manager:

Janet Guay: janet@jaguar-media.com

Art Designer:

Frederic Allard: fred@jaguar-media.com

Anick Langlois: alanglois@jaguar-media.com

Internet Programmers:

Johanne Labonte: jlabonte@jaguar-media.com

Sebastien Knap: sknap@jaguar-media.com

**Electric Energy Magazine is published
6 times a year by: Jaguar Media Inc.**

1160 Levis, Suite 100, Terrebonne, QC Canada J6W 5S6

Tel.: (888) 332-3749 • Fax: (888) 243-4562

E-mail: jaguar@jaguar-media.com

Web: www.electricenergyonline.com

Electric Energy T&D Magazine serves the fields of electric utilities, investor owned, rural and other electric cooperatives, municipal electric utilities, independent power producers, electric contractors, wholesalers and distributors of electric utility equipment, manufacturers, major power consuming industries, consulting engineers, state and federal regulatory agencies and commissions, industry associations, communication companies, oil & gas companies, universities and libraries.

Post Publication mail agreement #40010982

Account #1899244

"CCAB/BPA WORLDWIDE MEMBERSHIP

APPLIED FOR DECEMBER 2005"

Product Showcase

Read about new products available to the industry.

27

Advertisers Index

This index is a guide to locate specific display advertisers throughout the magazine.

28

COVER PAGE PHOTO:
DOBLE ENGINEERING Co.



Electric Energy T&D MAGAZINE

IN THIS ISSUE



THE OFFICIAL SHOW GUIDE OF THE 2007 INTERNATIONAL CONFERENCE OF DOBLE CLIENTS

6 ... 2007 INTERNATIONAL CONFERENCE PRESENTATIONS

IMPORTANT: All Conference Presenters are required to check in at the Presenter Check-in Desk, located at the 4th floor, at least 24 hours before their scheduled technical presentation. Please be prepared to provide a copy of your paper and PPT presentation on CD, disk, or memory stick.

11 ... THE INDUSTRY EXPO AT THE 2007 INTERNATIONAL CONFERENCE OF DOBLE CLIENTS

In conjunction is the 2007 International Conference of Doble Clients, Doble Engineering is sponsoring an exposition of organizations that provide products and services to the electric power industry. This Industry Expo will help....

22 ... HOSPITALITY SUITES AT THE 2007 INTERNATIONAL CONFERENCE OF DOBLE CLIENTS

In addition to the Industry Expo Conference attendees should take advantage of the extensive schedule of Hospitality Suites open in the evenings after the Expo closes. Hospitality Suites offer a relaxed networking opportunity, and many ...



Electric Energy T&D
is proud to be a member
of these associations



Transformer problems?

This is where your Calisto should have been.



Don't be left picking up the pieces. Catastrophic transformer failures can easily be prevented with the Calisto on-line, dissolved hydrogen and water monitor.

Calisto monitors hydrogen production and detects transformer faults at their earliest stages thereby reducing the number of unforeseen outages and preventing catastrophic failures.

- Designed to withstand the harshest environments
- Precise monitor readings are as reliable as lab results
- Increases the life expectancy of your transformer by monitoring the moisture content in the transformer oil
- Download specifications and software at www.morganschaffer.com

Calisto prevents catastrophic failures – one transformer at a time.



Transformers - The Inside View

8300 Saint Patrick, Suite 150
LaSalle, Quebec
Canada H8N 2H1

Tel.: +514.739.1967
Fax: +514.739.0434
E-mail: sales@morganschaffer.com

VISIT OUR WEBSITE AT: www.morganschaffer.com

Fiber Optic Temperature Sensors for Transformer Hot Spots

**VISIT US
BOOTH 20**

Accurate, direct temperature reading of winding's hot spots:

- Predicts or adjusts the dynamic loading of high voltage transformers
- Prevents premature failures
- Provides cost effective monitoring of transformer temperature

Extends transformer life:

- Helps estimate the insulation degradation rate
- Complements predictive hot-spot algorithm simulations

FEATURES

- Tough and ruggedized sensors
- No gage factor or calibration
- RS-232, Ethernet, DNP3, CANopen, Profibus and OPC Server available
- Voltage or current output
- Accuracy of $\pm 1^{\circ}\text{C}$
- Systems available with 1 to 16 optical channels

neoptix

Neoptix, Inc. - 1415 Charest Ouest, suite 220
Québec, QC G1N 4N7 Canada
Phone: (418) 687-2500 - Fax: (418) 687-2524
info@neoptix.com

www.neoptix.com

2007 Schedule of Events

Note: Utility and Testing company delegates may attend all of the activities listed below

Manufacturers, Refiners & Insurers may attend everything EXCEPT the Blue Committee Meetings

Sunday, March 25, 2007

1:00 pm - 5:00 pm	Tutorial: The Importance of Proper Bushing Replacement
5:00 pm - 7:30 pm	Doble Client Reception

Monday, March 26, 2007

7:00 am - 8:00 am	Newcomers Orientation
7:00 am - 8:00 am	Intelligent Diagnostic Device User Group & Time Travel User Group
8:00 am - 10:00 am	Training Track: Understanding Apparatus Control Circuits
8:00 am - 10:00 am	Asset and Maintenance Management Committee Meeting & Arresters, Capacitors, Cables, and Accessories Committee Meeting
10:00 am - 12:00 pm	Rotating Machinery & Insulating Materials Committee Meetings
11:30 am - 1:30 pm	Doble Expo Open
12:00 pm - 1:30 pm	EuroDoble Committee Meeting
1:30 pm - 2:30 pm	Opening Session and Keynote Address
2:30 pm - 5:00 pm	Asset and Maintenance Management Technical Presentations
2:30 pm - 5:00 pm	Training Track : Basic Power Factor
5:00 pm - 7:00 pm	Doble Expo Open

Tuesday, March 27, 2007

7:00 am - 8:00 am	Doble Test Assistant Software User Group Meeting
7:30 am - 12:00 pm	Rotating Machinery Technical Presentations
7:30 am - 12:00 pm	Insulating Materials Special Session on Corrosive Sulfur
1:30 pm - 3:30 pm	Insulating Materials Technical Presentations
1:30 pm - 3:30 pm	Tutorial: Utility Compliance to NERC Standards
3:30 pm - 5:30 pm	Rotating Machinery Tutorial: Compliance to NERC Standards
3:30 pm - 5:30 pm	Bushings, Insulators, and Instrument Transformers Committee Meeting
5:00 pm - 7:00 pm	Industry Expo Open
6:00 pm - 8:30 pm	Field Processing Subcommittee (members only)

Wednesday, March 28, 2007

7:00 am - 8:00 am	Sweep Frequency Response Analysis User Group, Part 1
8:00 am - 10:00 am	Circuit Breaker Committee Meeting
8:00 am - 12:00 pm	Protection, Automation, Communications & Controls Technical Presentations
8:00 am - 10:00 am	Training Track: Reading Transformer Nameplates, Winding Resistance and Insulation Resistance
10:00 am - 12:00 pm	Transformers Committee Meeting
11:30 am - 1:30 pm	Industry Expo Open
12:30 pm - 1:30 pm	Sweep Frequency Response Analysis User Group, Part 2
1:30 pm - 5:00 pm	Protection, Automation, Communications & Controls Committee Meeting
1:30 pm - 5:00 pm	Bushings, Insulators, and Instrument Transformers Technical Presentations
5:00 pm - 7:00 pm	Industry Expo Open
6:00 pm - 9:00 pm	Oil Committee Meeting & Dinner (members only)

Thursday, March 29, 2007

7:00 am - 8:00 am	Training Track: Doble Test Assistant - DTAWeb Training
7:00 am - 8:00 am	Dissolved Gas Analysis of Load Tap Changers Committee Meeting
8:00 am - 12:00 pm	Circuit Breakers Technical Presentations
9:30 am - 5:00 pm	Training Track : Basic Protective Relaying
11:30 am - 1:30 pm	Industry Expo Open
12:00 pm - 1:30 pm	Advisory Lunch & Meeting (members only)
1:30 pm - 3:00 pm	Arresters, Capacitors, Cables, and Accessories Technical Presentations
3:00 pm - 5:00 pm	Transformers Technical Presentations
6:00 pm - 7:00 pm	Client Reception & Dinner

Friday, March 30, 2007

7:30 am - 12:00 pm	Transformers Technical Presentations
--------------------	--------------------------------------

A complete list of the Technical Presentations is posted at www.doble.com



The 2007 International Conference of Doble Clients

The agenda for this year's event is based on the traditional Doble Client Conference program and includes the Client Committee meetings ("Blue Badge" delegates only) and the respective sessions of technical presentations for each of the nine primary Client Committees. User Group meetings and Tutorials are added around these meetings and sessions.

Open during the mid-day breaks and after the main sessions Sunday through Wednesday (includes the first 2 days of exclusively Doble exhibits); the Industry Expo gives Conference delegates the opportunity for refreshment and networking with colleagues and exhibitors. In the evenings, various organizations invite attendees to their Hospitality Suites for a more informal networking experience.

The 2007 program kicks off with a tutorial on The Importance of Proper Bushing Replacement on Sunday afternoon from 1-5 pm, followed by a Welcome Reception and the opening of the Doble Product Exhibit area. The traditional Thursday night dinner provides an enjoyable break towards the end of the intensive program.

What follows here in the Electric Energy Magazine's Official Conference and Show Guide is a detailed schedule of the week's events.

Registration & Information

Conference Registration and Information Desk
Westin Copley Place, 4th Floor

All Conference attendees, Exhibitors, and Suite Holders **MUST** stop by the Doble Registration Desk to check in and obtain their name badges prior to attending any Conference or Industry Expo events.

Registration Hours:

Sunday, March 25	10:00 AM – 7:00 PM
Monday, March 26	7:00 AM – 6:00 PM
Tuesday, March 27	7:00 AM – 6:00 PM
Wednesday, March 28	7:00 AM – 6:00 PM
Thursday, March 29	7:00 AM – 7:00 PM
Friday, March 30	7:00 AM – 12:00 PM

Important: Name badges are required for admission to all Conference sessions, Client Committee Meetings, and other events.

Important note regarding Supplier/Manufacturers who are not Doble Clients:

Suppliers/Manufacturers who are not Doble Clients are not permitted access to Conference activities other than the Industry Expo. If you are not certain of your status ask at the Registration Desk.



2007 Conference Presentations Presenters Information

IMPORTANT: All Conference Presenters are required to check in at the Presenter Check-in Desk, located at the 4th floor, at least 24 hours before their scheduled technical presentation. Please be prepared to provide a copy of your paper and PPT presentation on CD, disk, or memory stick.

Technical Documents

Preliminary Technical Presentations will be posted on the Doble web site. Additional files will be added to the site as they are received, formatted and approved.

Access to the 2007 Conference Presentations

An email address with the link to the preliminary technical documents will be sent to all registered Doble clients and guests. The 2007 Conference Documents can also be accessed on the Doble Portal using your company ID and password.

Hard copies of the 2007 Conference documents will not be distributed at the Conference. However a self-service station equipped with computers and printers will be available to you to review and print presentations.

Companion Activities

Companions of Conference delegates are requested to wear their name badges to all activities and events. Spouses, family members and companions of Conference attendees are invited to visit the Doble Companion Meeting Room to meet with others and plan recreational activities as the guests of Doble Engineering. The room will be open each day from 8:30 am – 10:30 am.

Companion Meeting Room Locations:

Monday, March 26	Turners Restaurant
Tuesday, March 27	Great Republic
Wednesday, March 28	Great Republic
Thursday, March 29	Great Republic
Friday, March 30	Great Republic

The Companion Meeting Room is sponsored by UPTIME MONITORING & DIAGNOSTICS SUITE

Including:

- Delta X Research
- Digital Inspections
- Cannon Technologies/Cooper Power
- Enoserv
- Incon
- Physical Acoustics
- Weschler Instruments

Please stop by Monday, Tuesday, & Wednesday evenings when their Hospitality Suite will be open at this same location!

Companion Activities:

Sunday, March 25

Conference Welcome Reception in Doble Product Display Areas

5:00 PM – 7:30 PM

Essex Foyer & Staffordshire, 3rd Floor

Companions are welcome to attend this evening reception as well as the receptions in the Industry Expo Monday through Wednesday evenings. Companions will receive complimentary drink tickets for these receptions when they pick up their name badges.



Monday, March 26

Companion Ice-Breaker Brunch

8:30 AM – 10:30 AM

Turners Restaurant

There is no charge to attend this fun mixer event....companions only, please! We encourage all companions and guests of attendees to come to this brunch reception. You'll have the opportunity to meet other guests and get acquainted while enjoying the ambiance of Turners Restaurant. Great door prizes will be given away, but you need to be present to win!

Note: After Monday companions are "on their own" for breakfast. The Companion Meeting Room is designated as a meeting area for Companions on Tuesday through Friday mornings.

Complimentary Yoga Class Exclusively for Doble Companions!

2:00 PM – 3:00 PM

Great Republic Suite, 7th Floor of the Westin Copley

Enjoy an hour of relaxing yoga compliments of Doble! Towels will be provided for use as mats. Beginner-level.

Tuesday, March 27

The New ICA Museum Tour

On December 10th, the Institute of Contemporary Art unveiled its new home on Boston's waterfront offering a new, visionary building poised to capture the stimulation of contemporary culture and the excitement of a revitalized waterfront area.



Award-winning architects Diller Scofidio + Renfro designed the ICA, conceiving the building both "from the sky down," as a contemplative space for experiencing contemporary art, and "from the ground up," providing dynamic areas for public enjoyment. The design weaves together interior and exterior space, producing shifting perspectives of the waterfront throughout the museum's galleries and public spaces.

Among the breathtaking and provocative works being exhibited are pieces that seem to bend, twist, morph, or enter a new dimension as artists such as Anish Kapoor, Bridget Riley, and James Turrell use optical effects to alter the way we perceive ourselves and the space around us.

Featured Exhibit: SUPER VISION
December 10, 2006 - April 29, 2007

Superhuman vision, once the stuff of comic books, is no longer a fantasy, with new technologies transforming both what can be seen and how we are able to see. Super Vision examines how contemporary artists have responded to and interpreted this changing nature of vision, presenting work by 27 international artists in painting, sculpture, video, and photography.

Cost: \$18.00 per person includes round trip transportation and museum admission
Depart Westin: 10:00 AM
Return to Westin: 2:00 PM

Optional lunch on own at Water Café (If you wish to return to The Westin before lunch, transportation will be available.)

Wednesday, March 28

Theatre Matinee: Miss Witherspoon by Christopher Durang
(limited availability)

Presented at The Lyric Stage, 140 Clarendon St., Boston, MA
Playwright Christopher Durang's Pulitzer-Prize-finalist, *Miss Witherspoon*, begs the question "does life get any better after death?" Veronica, after committing suicide, is destined to return to earth, reincarnated over and over, learning that the "other side" offers no respite. Navigating through the rough seas of fate and free will (and large objects falling from the sky), she searches for truth and peacefulness, questioning ideas of faith in a "waiting room" between death and rebirth.

Cost: \$30.00 per person
Depart Westin: 1:30 PM (walking)
Return to Westin: 4:00 PM (walking)

Thursday, March 29

Thursday Evening Client Reception & Banquet
6:00 PM, America Ballroom, 4th Floor

Join other conference delegates for this gala evening event! There is no charge for Doble clients and their companions – pre-registration and meal selection is required.

Fiber Optic Temperature Monitoring System for the T&D Industry

NORTECH TT



Starting at \$2495 USD

- 1, 2, 4 and 6 channels
- Analog outputs (4-20 mA, 0-1 mAV)
- 1 x RS-232 port
- 2 x RS-485 ports
- Modbus protocol
- EMC compliant
- Surpasses environmental standards

The Nortech TT provides accurate, direct and real-time knowledge of winding temperature

Use

- Operational Condition Assessment
- Load Planning
- Asset management
- End of life determination

Benefits

- Provides assistance in transformer design and rating verification.
- Safely maximizes loading and overloading.
- Reduces physical stress on winding.
- Prevents premature failure.
- Prevents outage and catastrophic failures.

Nortech is the genuine and field proven solution required to meet the challenges of today's competitive power delivery.

More info at www.fiso.com/transformers

Visit us at The 2007 International Conference of Doble Clients
Boston, MA, Booth #4
March 27-30, 2007
Contact us at sales@fiso.com or
Phone: (418) 688-8065



www.fiso.com



Doble Client Committees and Meeting Times

The annual Client Conference program is created by the Doble Client Committees, each having unique expertise in a particular area. These committees of clients and members of the Doble staff meet in September or October each year to plan the following Boston Conference.

In addition to the International Conference of Doble Clients, Doble also hosts regular conferences all over the world. The agenda and technical presentations are designed to meet the unique needs of each region.

Client Committee Meetings:

Advisory (Committee Officers Only)

Thursday, March 29, 12:00 pm – 1:30 pm
American North, 4th Floor

Arresters, Capacitors, Cables, and Accessories (ACCA)

Monday, March 26, 8:00 am – 10:00 am
Essex North, 3rd Floor

Asset and Maintenance Management (AMM)

Monday, March 26, 8:00 am – 10:00 am
America North, 4th Floor

Bushings, Insulators and Instrument Transformers (BIIT)

Tuesday, March 27, 3:30 pm – 5:30 pm
America North, 4th Floor

Circuit Breakers (CB)

Wednesday, March 28, 8:00 am – 10:00 am
America North, 4th Floor

Dissolved Gas Analysis of Load Tap Changers (DGA of LTCs)

Thursday, March 29, 7:00 am – 8:00 am
America North, 4th Floor

EuroDoble

Monday, March 26, 12:00 pm – 1:30 pm
Mastiff Boardroom, 7th Floor

Field Processing Subcommittee Meeting and Dinner (members only)

Tuesday, March 27, 6:00 pm – 8:30 pm
Turner Fisheries Private Dining Room

Insulating Materials (IM)

Monday, March 26, 10:00 am – 12:00 pm
Essex North, 3rd Floor

Oil Committee Meeting and Dinner (members only)

Wednesday, March 28, 6:00 pm – 9:00 pm
Turner Fisheries Private Dining Room

Protection, Automation, Controls & Communications (PACC)

Wednesday, March 28, 1:30 pm – 5:00 pm
America North, 4th Floor

Rotating Machinery (RM)

Monday, March 26, 10:00 am – 12:00 pm
America North, 4th Floor

Transformers (TX)

Wednesday, March 28, 10:00 am – 12:00 pm
America North, 4th Floor

Who can attend Doble Client Committee Meetings?

All attendees with a blue badge can attend the Client Committee meetings. YOU DO NOT NEED TO BE A COMMITTEE MEMBER TO ATTEND*

Blue badges are given to Doble clients and guests from one of the following categories: Electric Power Utilities, Industrial Maintenance Divisions, and Non-Manufacturing Test and Maintenance Service Companies. All "blue badges" attendees are welcome to attend the Client Committee meetings regardless of whether they are an official member of that Committee.

*The exceptions to this rule are the Oil Committee, Advisory Committee and Field Processing Subcommittee, which are for members or invited guests only.

How to Join a Committee

If you represent an Electric Power Utility, Industrial Maintenance Divisions, and Non-Manufacturing Test and Maintenance Service Company and are interested in joining a committee please contact or speak with the committee secretary. Members are expected to participate in the activities of the committee, which include deciding papers and themes for future conferences and completing technical questionnaires relating to the committee. Members receive several emails each year with agendas for upcoming meetings and project updates.

Brighter than ever.

Introducing our new
package of smart energy
automation solutions.



Cooper Power Systems is proud to present our new combined package of smart energy automation solutions. With the recent acquisition of Cybectec, Inc. and Cannon Technologies, we now offer built-in intelligence, best-in-class components, and expertise that spans from the meter to the substation to the operations center. At Cooper Power Systems, we're bringing our customers new ways to increase productivity, improve real-time operations, enhance reliability, and reduce the cost of delivering electrical power, now and in the future—a future that's looking brighter than ever.

 **COOPER** Power Systems

Energy Automation Solutions

 **cybectec**

 **CANNON**
TECHNOLOGIES
Powered by Yukon®

• Automated Meter Reading • Load Management • Substation and Feeder Automation • Asset Monitoring • Data Management

www.cooperpower.com | 1-877-CPS-INFO



Software User Groups & Meeting Times

In addition to the Doble Client Committees there are four User Groups which will also be meeting at the Conference:

Intelligent Diagnostic Device (IDD) User Group

Monday, March 26, 7:00 am – 8:00 am
St. George B/C/D, 3rd Floor

Doble Test Assistant (DTA) Software User Group

Tuesday, March 27, 7:00 am – 8:00 am
Parliament and Adams, 7th floor

Sweep Frequency Response Analysis (SFRA) User Group – Part 1

Wednesday, March 28, 7:00 am – 8:00 am
America North, 4th Floor
Recommended for existing Doble SFRA users – hardware, software and test application issues will be discussed.

Sweep Frequency Response Analysis (SFRA) User Group – Part 2

Wednesday, March 28, 12:30 pm – 1:30 pm
America North, 4th Floor
Open to all Conference delegates – you do not need to be an existing SFRA user to benefit from this meeting. Case studies and interpretation of results will be discussed.

Time Travel User Group (TTUG), formerly TRX User Group

Monday, March 26, 7:00 am – 8:00 am
Essex North, 3rd Floor



Earn Continuing Education Credits for Attending this Doble Conference!

Delegates to the 2007 International Conference of Doble Clients may earn a maximum of 4.8 CEU credits (based on attendance from Sunday at 1 pm through Friday at 12:00 pm).

Note: CEUs are calculated at a rate of 1.0 CEU for every 10 hours of instruction or sessions.

We will be able to calculate your exact number of credits by scanning your name badge when you enter a meeting. Make sure and have your badge scanned for each meeting you attend to ensure you receive all your credits.

What are Continuing Education Credits (CEUs)?

Doble Engineering is an Authorized Provider of Continuing Education Credits (CEUs) through the International Association of Continuing Education and Training (IACET). Continuing Education Credits provide a permanent record of the educational accomplishments of an individual who has completed one or more significant non-credit educational experiences. Awarding the CEUs approved by IACET also provides a quality indicator for your continuing education and training programs because it means you have been reviewed and approved for complying with internationally recognized standards. One Continuing Education Unit (CEU) is defined as ten content hours of participation in an organized continuing education experience under responsible sponsorship, capable direction, and qualified instruction. CEUs are issued at all Doble Seminars and Conferences that meet the IACET standards.

Where are CEUs Accepted?

Continuing Education credits are widely accepted by colleges and educational institutions as official credits towards professional licensing requirements and degree programs. As the organization's name implies, the CEUs can be offered for classes held anywhere in the world, provided the event meets IACET criteria.

For more information on where Doble CEUs are accepted go to: http://www.iacet.org/resources/accept_ceu.htm

What are "Learning Outcomes"?

Learning Outcomes give attendees a guideline of the topics that will be covered during the event and the knowledge attendees can expect to gain during the event.

At the 2007 International Conference of Doble Clients surveys will be distributed. These surveys will outline the Learning Objectives to be achieved during that day's Conference program. Your completion of these daily surveys provides Doble with a record that you attended the day's event and are eligible to receive the corresponding CEUs.

How can I obtain a record of my received Continuing Education Credits (CEUs) from Doble?

All event participants can obtain their CEU credit records by contacting events@doble.com.

Doble will retain records of attendance at CEU events for a minimum of seven years. This information will only be released to the attendee themselves or at the request of their company. In order to obtain a copy of your transcript participants must submit a written request in order to obtain their records (email is acceptable). Request will NOT be taken over the phone!! If someone other than the actual participant request's information, the participant in question will be notified to obtain approval before the request is honored.



The Industry Expo at the 2007 International Conference of Doble Clients

In conjunction with the 2007 International Conference of Doble Clients, Doble Engineering is sponsoring an exposition of organizations that provide products and services to the electric power industry. This Industry Expo will help managers, engineers, and technicians to learn about the latest tools that are available to them. All those attending the Client Conference are welcome to attend. The Industry Expo will be held on the 3rd floor of the Westin Hotel Copley Place.

2007 Industry Expo Show Hours:

Sunday, March 25, 2007

5:00 PM – 7:30 PM Welcome Reception with Doble Product Displays

Monday, March 26, 2007

11:30 AM – 1:30 PM - Doble Products Exhibit (light lunch provided)

5:00 PM – 7:00 PM - Evening Reception with Doble Products Displays

Tuesday, March 27, 2007

5:00 PM – 7:00 PM - Evening Reception (Opening of ALL Exhibiting Companies)

Wednesday, March 28, 2007

11:30 AM – 1:30 PM - Afternoon Industry Expo (light lunch provided)

5:00 PM – 7:00 PM Evening Industry Expo with Reception

Thursday, March 29, 2007

11:30 AM – 1:30 PM - Afternoon Industry Expo (light lunch provided)

Enter the Industry Expo and Suites Game Card Prizes and Raffles!

All Conference delegates will receive a Game Card in their registration materials with a series of Trivia Questions tied in to the different exhibitors and suite holders at the Conference. Delegates will need to walk around the Expo and Suites to find the answers to the questions, which will be posted on signs near different booths. Completed Game Cards will be dropped into a box and winners drawn for prize giveaways.

Also look for the 3rd and 7th floor Prize Boards that will let you know what other raffle prizes are being offered by Exhibitors and Suiteholders and when they will be raffled off!

Really COOL

Power Transformer Cooling

ForZair
Transformer Coolers

The Hottest Name in Cooling

UNIFIN
INTERNATIONAL

Pre-Engineered
Easy Selection
Fast Delivery

London, Ontario, Canada 1-888-451-0310 www.unifin.com

2007 International Conference of Doble Clients Exhibiting Companies



Company	BOOTH #
A-Line E.D.S.	54
American Electrical Testing Co., Inc	13
Arbiter Systems Inc.	12
BCS Switchgear, Inc.	65
Circuit Breaker Sales Company, Inc	28
Colt Atlantic Services, Inc.	5
Cooper Power Systems - Energy Automation Solutions/Cooper Power Systems	36, 37
COSA Instrument Corporation	15
Delta Instrument LLC	43
Delta Star	53
Delta X Research, Inc	11
Designed Metal Connections (DMC)	31
Digital Inspections, a KEMA Company	11
Doble Engineering Company	Staffordshire
Dynamic Ratings, Inc	6
Electric Energy T & D Magazine	59
Electric Power Systems	55
Electro Composite Inc. (ECI)	32
Enerco Transformers & Power Supply Systems	30
Enerfin Inc	27
Filmmax Inc	40
FISO Technologies	4
FLIR Systems	58
GE Energy	46, 47
Hawk IR International Inc	2

Company	BOOTH #
HICO America	42
High Voltage Supply	38, 39
(a division of Waukesha Electric Systems, Inc.)	
JM Science	16
Jordan Transformer, LLC	33
JSHP Transformer Co., Ltd	29
Kelman	21, 22, 23
LDIC Group (Germany, Switzerland)	52A
USA subsidiary: HV TECHNOLOGIES, Inc. Manassas, VA	
LumaSense Technologies	19
Morgan Schaffer	25
Neoptix Fiber Optics Sensors	20
NETA	44
Nichols Applied Technology, LLC	10
Normandy Machine Company	24
Nynas USA Inc	18
Opsens	53
PAUWELS AMERICAS, INC	41
Photon Control	49
Power Asset Recovery	8
Power Substation Services	7
Qualiftron	3

Company	BOOTH #
Reinhausen	57
S & C Electric Co	56
S.D. Myers	52
Sankosha	9
Schweitzer Engineering Laboratories Inc	62
Serveron Corp	66
Siemens Service Solutions	1
Solidification Products Int'l. Inc.	60
Southern States, LLC	34, 35
TransFluid Services, Inc	48
Transgard Fence	51
Trantech Radiator Products, Inc	45
Unifin International LP	63, 64
Utility Automation & Engineering T&D	61
Velcon Filters	17
Virginia Transformer Corp	26
The Von Corporation	50
Waukesha Electric Systems, Inc	38, 39
ZTZ Services International	14

GENERATORS
125KW - 2200KW

IN STOCK!

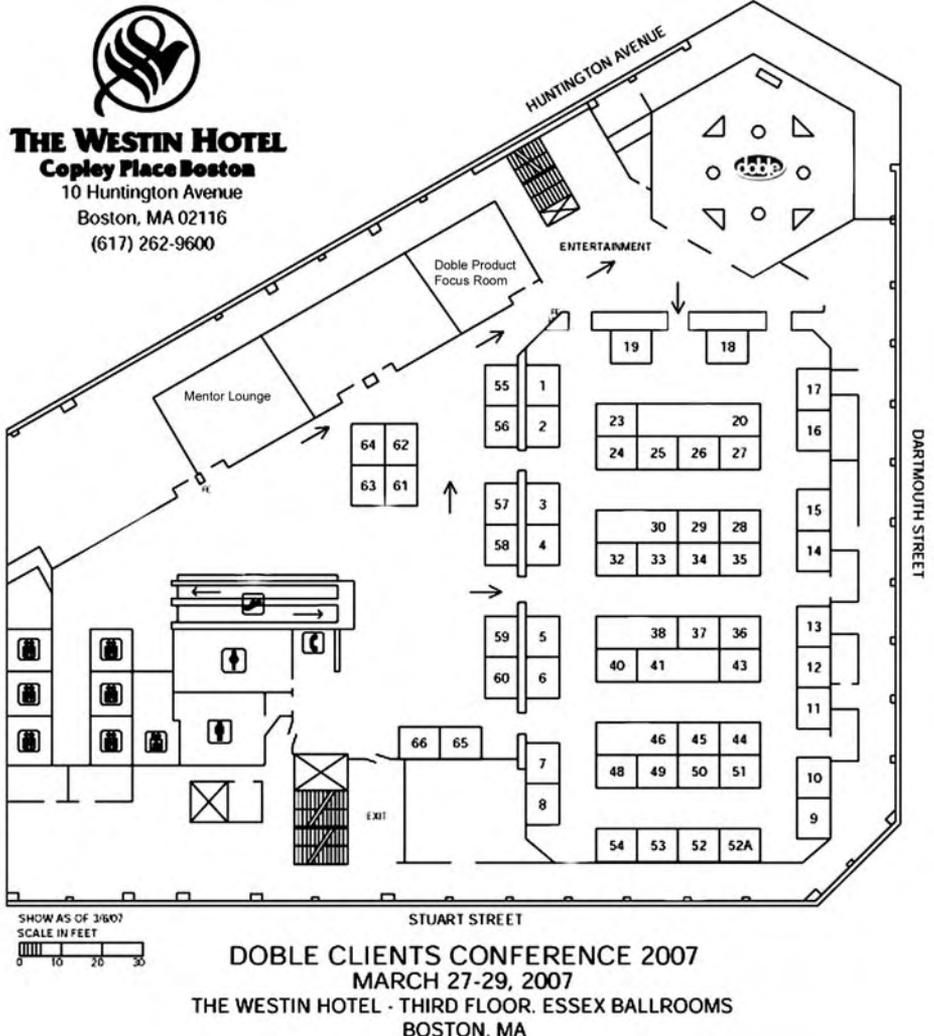
Trailer-Mounted Diesel Generators
Capacities: 125 - 2200KW
(Available Voltages Up To 4,160V)

Skid-Mounted Generators
Capacities: 30 - 175KW

EMERGENCY SERVICE
24HR
EMERGENCY SERVICE

Call to ask about our extensive line of Industrial Power Plant Equipment available!

INDECK
tel: 847.541.8300 / 800.446.3325
fax: 847.541.9984
email: info@indeck-power.com
www.indeck.com





2007 International Conference of Doble Clients Exhibiting Companies

A-Line E.D.S.

808 Dearborn Avenue
Waterloo, IA 50703 USA
319-232-3889

Fax: 319-235-7032

Anne Bailey

anne@alineeds.com

www.alineeds.com

A-Line E.D.S. provides the environmentally sound decommissioning of electrical 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 reclamation furnaces located at our facility in Waterloo, IA, we provide our clients with experienced and environmentally sensitive teams that work directly with you. A-Line's wide range of global markets helps to insure you will receive the highest returns. We will work directly with your insurer or engineering department to provide forensic dismantling of transformers and other electrical equipment in order to determine the problems that lead to equipment failure

American Electrical Testing Co., Inc.

480 Neponset Street
Canton, MA 02021 USA
781-821-0121

Fax: 781-821-0771

Paul M. Kelly

pkelly@99aetco.com

www.99aetco.com

American Electrical Testing Co., Inc. maintains a staff of highly trained NETA certified field service engineers and technicians providing power system studies and complete engineering and testing services for acceptance, maintenance, retrofit and repair of electrical power distribution systems and equipment from low voltage through 345KV. Services provided throughout Mid-Atlantic, New York, New England, New Jersey, and Indiana.

Arbiter Systems Inc

1324 Vendels Circle, Suite 121
Paso Robles, CA 93446 USA
805-237-3831

Christine Greco

cgreco@arbiter.com

www.arbiter.com

Arbiter Systems is the leader in GPS timing products that include the industry's most accurate portable three-phase power meter (Model 931A Power System Analyzer).

Booth 54

BCS Switchgear, Inc

203 E. Chapman Drive
Sanger TX 76266 USA
888-599-0486

940-458-4019

Fax: 940-458-4122

Susanne Kennedy

Susanne@bcswitchgear.com

www.bcswitchgear.com

Cody@bcswitchgear.com

www.bcswitchgear.com

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. 24 HOUR SERVICE NUMBER (888) 599-0486

Circuit Breaker Sales Company, Inc.

1315 Columbine Drive
Gainesville, TX 76240 USA
940-665-4444

Fax: 940-665-8971

Jose Febres

JFebres@CBSales.com

www.cbsales.com

Circuit Breaker Sales is a 25 year old company that has become one of the largest independent dealer/manufacturer/service providers in the United States. With the largest selection of low and medium voltage power distribution equipment, CBS can respond to any need in any time frame, providing electrical solutions worldwide. With the most experienced and qualified personnel in the industry, everything we ship is fully tested and certified according to current standards. We offer new, surplus and remanufactured electrical equipment and replacement parts from the largest inventory in the U.S., including life extension programs to upgrade your apparatus via retrofit, retrofit and matching existing lineups.

Colt Atlantic Services, Inc.

1845 South Lee Court, Suite C
Buford, GA 30518 USA
770-831-8135

Fax: 770-831-8631

Ian Barford

IAN@COLTONLINE.COM

WWW.COLTONLINE.COM

The industry leader in providing SF6 Gas and Transformer Oil Leak Repair services.

Booth 12

Booth 65

Cooper Power Systems

Cooper Power Systems – Energy Automation Solution

1045 Hickory Street
Pewaukee, WI 53072 USA
877-CPS-INFO

Michelle Neira

mneira@cooperpower.com

www.cooperpower.com

www.cannontech.com

www.cybectec.com

Cooper Power Systems, Inc. is a worldwide manufacturer of best in class distribution transformers and switchgear, reclosers, capacitors, voltage regulators, automated switches, cable accessories, surge arresters, dielectric fluids, and components for the electrical, commercial and industrial markets. Through its newly formed Energy Automation Solutions Group, composed of existing Cooper product families and recently acquired Cannon Technologies, Inc. and Cybectec, Inc., it is also a leader in providing comprehensive automation solutions including automated meter reading (AMR), demand response, centralized capacitor bank controls, asset monitoring for high voltage breakers and power transformers, feeder automation, substation automation, NERC CIP compliant enterprise-wide substation data solutions, recloser and regulator controls, and protective relays.

Booths 36, 37

COSA Instrument Corporation

84G Horseblock Road
Yaphank, NY 11980 USA
631-354-3434

Fax: 201-767-6600

cosa@cosaic.com

www.cosa-instrument.com

Instrumentation to measure moisture in breaker and transformer insulation gases and oils

Booth 15

Delta Instrument LLC

148 Veterans Drive
Northvale, NJ 07647 USA
201-768-7200

Fax: 201-768-5020

Mai Schneider

mschneider@deltainstrument.com

www.deltainstrument.com

Delta Instruments supplies a full line of process analyzers to the industrial, power, refining, and utility industries, including dew point analyzers, emission and combustion analyzers, multipoint, self-averaging flow meters, and fuel gas heating valve transmitters.

Booth 43

Delta Star

270 Industrial Road
San Carlos, CA 94070 USA
650-743-3270

Fax: 435-603-1395

Kevin Anderson

kevina@deltastar.com

www.deltastar.com

In the electrical power industry since 1908, Delta Star currently builds medium power transformers and mobile substations literally from coast to coast. With plants and engineering in Virginia and California we have built our reputation on producing some of the most complex transformers ranging from 10-100 MVA through 230KV class.

Booth 53





2007 International Conference of Doble Clients Exhibiting Companies

Delta X Research, Inc.

PO Box 42083
200 Oak Bay Avenue
Victoria, British Columbia V8R 6T4 Canada
919-544-8191

www.deltaresearch.com

Electric utilities and industrial plants test their high-voltage power transformers, circuit breakers, and related equipment to ensure safe and reliable operation. Delta-X Research software helps to record and interpret the test data. Delta-X Research's principal product, Transformer Oil Analyst (TOA), manages and interprets insulating oil dissolved-gas and physical test data. Its continuing improvements is based on research and development assisted by TOA users worldwide.

Designed Metal Connections (DMC)

14800 S. Figueroa Street
Gardena, CA 90248 USA
310-323-6200
Fax: 310-329-2505

Tessie Ferguson & Gene Thompson
customerservice@dmcusa.com
www.dmcusa.com

DMC has over 60 years of experience making products for the commercial power industry. The company designs and manufactures compression connectors for substation bus, cable, and grounding. Our product lines include PowerLok®, CableLok®, and GroundLok®. These products use DMC's revolutionary 360° swage tooling to compress our connectors, creating a technically superior connection.

Booth 11

Digital Inspections, a KEMA Company

804A Buchanan Ave NW
Corvallis, Oregon 97330 USA
800-877-8783 x116
Fax: 541-758-3666

John Lane
jlane@digitalinspections.com
www.digitalinspections.com

Digital Inspections is the provider of the CASCADE Utility Asset Equipment Health Maintenance Management & Inspection System.

Booth 11

Doble Engineering Company

85 Walnut Street
Watertown, MA 02472 USA
617-926-4900
Fax: 617-926-0528

DobleINFO@doble.com
www.doble.com

Now in 75 countries all over the world, Doble Engineering has been helping clients in the electric power industry improve operations and optimize system performance for more than 85 years. Doble offers diagnostic instruments, services, and the world's premier library of statistically significant apparatus test results for the benefit of energy generation and delivery companies and industrial power users worldwide.

Staffordshire

Dynamic Ratings, Inc.

1275 E. Wisconsin Ave.
Pewaukee, WI 53072
262-746-1230
Fax: 262-746-1232
Tony Pink

tony.pink@dynamicratings.com
www.dynamicratings.com

Dynamic Ratings is a leading supplier of transformer monitoring, control and communications equipment.

Booth 6

Electric Energy T & D Magazine

1160 Levis, Suite 100
Terrebonne, Quebec J6W 5S6 Canada
888-332-3749 x222
Fax: 888-243-4562

Steven Desrochers
steven@electricenergyonline.com
www.electricenergyonline.com

Electric Energy is proud to be the publisher of the 2007 International Conference of Doble Clients Conference and Show Guide. From the board room to the field, whether it is from our eNewsletter, eZine or EET&D Magazine, Electric Energy Publications delivers insightful and informative content. Watch The Trends, Get The Facts, Have The Edge!

Booth 59

Electric Power Systems

21 Millpark Ct.
Maryland Heights, MO 63043 USA
314-890-9999
Steven C. Reed, PE

S.Reed@EPS-International.com

Electric Power Systems is a technical service organization specializing in start up commissioning, and maintenance testing for utilities, industrial, governmental and transit systems clients. The firm, established in 1977, has developed a select staff of engineers and technicians with a broad spectrum of capabilities. EPS performs electrical systems analysis, engineering, acceptance and maintenance testing of power equipment systems. Our professional staff, with their extensive field experience, has contributed to the successful completion of major generation, transmission and industrial projects throughout the world. Electric Power Systems' service area extends throughout the United States, with offices in most major regions of the country. Additionally, we have completed projects in the Middle East, South America, and the Far East.

Booth 55

TRANTECH™
RADIATOR PRODUCTS, INC.

50 years
of serving the transformer industry with quality reliable products

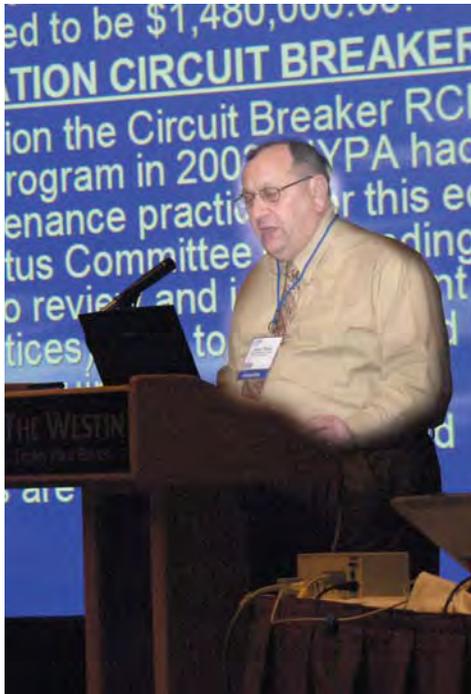
Replacement Radiators for every transformer.
Trantech can meet your retrofit needs.

We replace any size panel type radiators, tube assemblies, electric coolers, water coolers and provide technical recommendations on other cooling needs.

Contact: sblane@trantechradiators.com • Website: www.trantechradiators.com
Phone: 803-637-3166 • Fax: 803-637-3046



2007 International Conference of Doble Clients Exhibiting Companies



Electricity Today Magazine

This exhibitor is not able to attend. Copies of their latest issue are available near Booth 49
215-1885 Clements Rd
Pickering, Ont L1W 3V4 Canada
905-686-1040 ex 223
Carol Gardner, Associate Publisher
carol@electricityforum.com
www.electricity-today.com

In the rapidly changing climate of North American power industry, Electricity Today remains committed to the buyers and sellers responsible for maintaining and operating utility and industrial, commercial and institutional power systems. In every issue, Electricity Today details the business and technical developments driving the power industry. As engineering, construction, and maintenance professionals search for solutions to today's problems, they turn to Electricity Today for articles that address the changing environment of the industry.

Electro Composite Inc. (ECI)

Booth 32

1919, Lionel-Bertrand, Suite 107
Boisbriand, Quebec J7H 1N8 Canada
450-430-1181
Fax: 450-433-1888
info@eci-co.com
www.eci-co.com

Electro Composite Inc (ECI) manufactures a wide range of insulating products for the electrical market, such as solid insulation bushings up to 138kV for transformers, breakers, GSU transformers and generators, station post replacement insulators, hydro generator pole insulation, and speciality insulation products for a wide range of applications.

Enerco Transformers & Power Supply Systems Booth 30

17 Haneviim Street
Ramat Hasharon 47279, Israel
011-972-35484807
Fax: 011-972-35484902
David Zonis
david@enerco.co.il
www.elco-ind.com

Enerco designs and manufactures power transformers in sizes up to 800 MVA, 500 KV, 1550 KV BIL, mobile substations, and furnace and rectifier transformers. The Enerco Transformer plant, one of the most modern in the world, is located in the industrial zone of Ramat Hasharon, Israel. By the end of 2006 more than 800 power transformers, 200 of them having a capacity of exceeding 100 MVA, of outstanding quality and high reliability, were designed, manufactured and tested in this facility.

The majority of power transformers above 100 MVA were exported to utilities and federal customers in US and Canada. The high performance of Enerco transformers are primarily attributable to the activity of engineering team which includes well known experts, to the modern technology, and to the use of the best raw materials and accessories. The computerized calculation and design programs, the automatic line for the processing of the grain oriented steel sheets into transformer laminations, the vertical winding technology, the vapor-phase drying are the main design and production facilities which insure low losses and low noise levels, the excellent electrical and long operating life of Enerco's transformers. Enerco personnel are active in both CIGRE and the IEEE Transformers Committees. Comprehensive testing is an integral part at all stages during the manufacturing process. Control tests of raw materials, components, sub-assemblies and technology process are performed according to the strictest quality assurance procedures.

Enerfin Inc

Booth 27

5125 JA Bombardier street
St-Hubert, Quebec J3Z1G4 Canada
800-724-2919
450-443-3366
Fax: 450 443-0711
Sylvain Gelinas
sales@enerfin-inc.com
www.enerfin-inc.com

Enerfin was established in 1989 to design and manufacture heat transfer products and integrated system for the energy sector. Our products & services include: transformer oil coolers (OFWF, OFAF, ONWF type) pumps and accessories, generator & motor air coolers, bearing oil coolers, hydrogen coolers, air pre heaters, shell & tube, integrated system (cooler, pumps, valves, strainers, gages, and control panel) thermal design & mechanical engineering.

Filmax Inc.

Booth 40

6775 Corporate Park Drive
Loudon, TN 37774 USA
865-408-0030
Fax: 865-408-0303
David Butler
dbutler@filmmaxinc.com
www.filmmaxinc.com

Filmax is the leading manufacture of filtration equipment for energized oil filled load, break, transfer and voltage regulating equipment. Filmax is introducing its new high flow stationary and portable filtration equipment and its FBR-310 filtration unit for high maintenance three phase break equipment. Filmax has supplied over 4000 filtration units to over 100 power companies in the United States and Canada. We look forward to the opportunity of providing you with the highest quality equipment and customer service in the industry.

FISO Technologies

Booth 44

500 St-Jean-Baptiste Ave., Suite 195
Québec G2E 5R9 Quebec Canada
418-688-8065
info@fiso.com
www.fiso.com

Founded in 1994, FISO Technologies Inc. is a leading developer and manufacturer of fiber optic sensors. We are committed to provide customers with innovative and reliable solutions for measuring parameters such as temperature, pressure, strain, displacement, force, load and refractive index in harsh environments and challenging applications. Our solutions provide reliable RFI and EMI immune instruments to all energy sectors, from electrical to oil, nuclear to hydrogen. Incorporation of FISO's fiber optic sensing solutions within the energy sector results in ideal monitoring performance enhancement and asset optimization. Measurements can be taken over an extended period of time allowing the energy professionals to correlate.

FLIR Systems

Booth 58

25 Esquire Road
N. Billerica, MA 01862 USA
978-901-8866
Fax: 978-901-8532
Steve Chisholm
steve.chisholm@flir.com
www.flirthermography.com

FLIR Systems, the world leader in infrared cameras and technology, provides electrical and utility professionals with the predictive maintenance tools needed to proactively inspect electrical systems. FLIR's products enable comprehensive facilities inspection and proactive condition monitoring and maintenance programs via non-invasive thermal imaging technology. FLIR's brand-new, revolutionary GasFindIR-LW infrared camera, is based on a first-of-its-kind, patent-pending technology and can detect the greenhouse gas SF6 and more than 20 other gases. Please visit FLIR's booth for a demonstration and more product information.



2007 International Conference of Doble Clients Exhibiting Companies

GE Energy

4200 Wildwood Pkwy
Atlanta GA 30339 USA
678-844-6551
Sherry Odom
sherry.odom@ge.com

www.ge-energy.com/industrial.solutions

GE Energy offers the expertise and service capabilities you need to keep your equipment in peak operating condition. From power system design to remote monitoring to remanufacture to repairs, we have the know-how and experience you can rely on to help ensure the smooth and efficient operation of your transformers, substations, motors, switchgear, drives and other power related equipment. Contact your GE Energy sales representative today and find out how we can help you with your winning performance. Visit us on the web at:

www.ge-energy.com/industrial.solutions.

Hawk IR International Inc

5309 Monroe Rd
Charlotte, NC 28205 USA

877-4-HAWKIR
info@hawk-ir.com

www.hawk-ir.com

Infrared Thermography has been used for detection of electrical problems in equipment such as electrical switchgear and high voltage electrical components for many years. A conscientious thermal survey of electrical equipment involves recognizing the thermal indications of faults and taking as direct temperature measurements as possible. Hawk IR Sightglasses enable a safe visual, infrared, and non-destructive inspection of internal areas of protected closed cells. Permanently fitted into switchboards, Hawk IR Sightglasses allow thermographers to clearly recognize thermal signature of problems during predictive maintenance without the need to open the enclosure.

HICO America

One Penn Center West
Bldg #1 Suite 212
Pittsburgh, PA 15276 USA
412-787-1170

Fax: 412-787-2270

Alexander Ebbert

aebbert@hicoamerica.com

www.hicoamerica.com

HICO is a world-class manufacturer of power equipment offering high quality products to the utility industry including Power Transformers, Shunt Reactors, SF6 breakers and GIS. From our Pittsburgh headquarters, we serve the utility industry with reliable power equipment contributing to the on-time successes of our customers' projects.

Booths 46, 47

High Voltage Supply

(a division of Waukesha Electric Systems, Inc.)

9011 Governors Row
Dallas, TX 75247-3709 USA
214-637-4434
800-338-5526

Fax: 214-637-1157

Fernando Lujan

HVSinfo@waukesha.spx.com

www.HighVoltageSupply.com

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 strong reputation as an industry leader in reverse-engineering and design enhancement.

JM Science

PO Box 250
355 Lang Blvd.
Grand Island, NY 14072 USA
716-774-8706

Fax: 716-774-8708

John D. MacFarlane

john@jmscience.com

www.jmscience.com

AQUACOUNTER potentiometric and Karl Fischer titrators. New low cost volumetric, coulometric, and potentiometric 300 series. Stand alone and completely automated oil and solid evaporators and 2-channel titrators. Low cost and full-featured potentiometric titrators available in semi-automated and complete automated systems. AQUACOUNTER Karl Fischer reagents, water standards, and KF grade methanol.

Jordan Transformer, LLC

1000 Syndicate Street
Jordan, MN 55352 USA
800-328-5894

Fax: 952-492-2796

www.jordantransformer.com

Jordan Transformer repairs and rewinds substation transformers up to 50 MVA with voltages of 138kV and below and offers a full range of testing and field services. With over 32 years experience with utilities and industrial customers, the Jordan Transformers engineering and production departments are experienced with power transformers from virtually all original manufactures and versed in all repairs from single phase, to substation, to mobile, to regular transformers.

JSHP Transformer Co., Ltd.

Liyang, Jiangsu, China
1-408-850-1416

Fax: 1-408-850-1420

sales@jshp.com

www.jshp.com

JSHP is top one power transformer manufacturer in China with 538 units of 110KV transformers delivered in 2006 with average 6 months production time while keeps 30 years non-failure record.

Booths 38, 39

Kelman

4147 N. Ravenswood Avenue
Chicago, IL 60613 USA
773-944-0693

Fax: 773-944-0690

Ronald Weir

rweir@kelman-usa.com

www.kelman-usa.com

Provide innovative solutions for the electrical power industry. Kelman's field proven DGA equipment represents the next generation in portable and continuous on-line applications. Kelman's modern measurement technique for DGA requires no regular calibration or maintenance, no consumables and is ideal for field use. The portable TRANSPORT X unit has established itself as the world market leader in portable DGA and moisture measurement. TRANSFIX is our flagship 8 gas plus moisture monitor for continuous monitoring of critical assets. TAPTRANS allows comprehensive monitoring of the Main Tank and LTC in one compact unit. The lower cost 3 gas plus moisture MINITRANS monitor also available.

All DGA equipment supplied with the powerful PERCEPTION software for transformer diagnostics. The KELMAN SERVICES group provides condition assessment and training from world renowned experts in transformer diagnostics. PROFILE P2 Circuit Breaker Analyzer provides vital "first trip" information for on-line testing. 3 phase "Pole Spread" measurement available.

LDIC Group (Germany, Switzerland)

Booth 52A

HV TECHNOLOGIES, Inc. Manassas, VA (USA)

703-365-2330 (USA)

+41-61-836-8000 (Switzerland)

+49-352-078630 (Germany)

Alain Bolliger

bolliger@ldic.ch

Leo Makowski

makowski@hvtechnologies.com

www.ldic.de

www.hvtechnologies.com

LDIC Group specializes in dielectric diagnostics and monitoring instruments for electrical power systems and apparatus and has offices in Germany, Switzerland, and Virginia, USA Our products include HV Testing and Measuring Systems, Partial Discharge Detectors, C/Tan Delta Instruments, Insulation Monitoring Systems

Booth 2

Booth 16

Booth 42

Booth 33

Booth 29





2007 International Conference of Doble Clients Exhibiting Companies

LumaSense Technologies

3033 Scott Boulevard
 Santa Clara, CA 95054-3316 USA
 408-727-1600
 Fax: 408-727-1677
 Brett Sargent
b.sargent@lumasenseinc.com
www.lumasenseinc.com

LumaSense (formerly Luxtron) is the leading supplier of fiber optics temperature measurement systems for Energy, Industrial and Medical markets. With more than 25 years experience and over 1,000 transformers with fiber optics, LumaSense clearly has the experience directly measuring winding hot spot temperatures that customers demand. Our probes have over a 99% success rate for installation without breaking. Additionally, LumaSense also has entered the gas detection market with products for SF6 leak detection and diagnostics. LumaSense's Photoacoustic Spectroscopy (PAS) is redefining how gasses are measured.

Booth 19

Morgan Schaffer

8300 Saint-Patrick Street, Suite 150
 LaSalle, Quebec H8N 2H1 Canada
 514-739-1967
 Jean Philippe Hudson
jphudon@morganschaffer.com
www.morganschaffer.com

Morgan Schaffer offers a full range of analytical services for high quality assessment of dielectric fluids and early detection of incipient faults in oil-filled electrical equipment. Located in Montreal, Canada the specialized laboratory was established in 1965 as the first commercial laboratory to offer gas-in-oil analysis in North America.

Booth 25

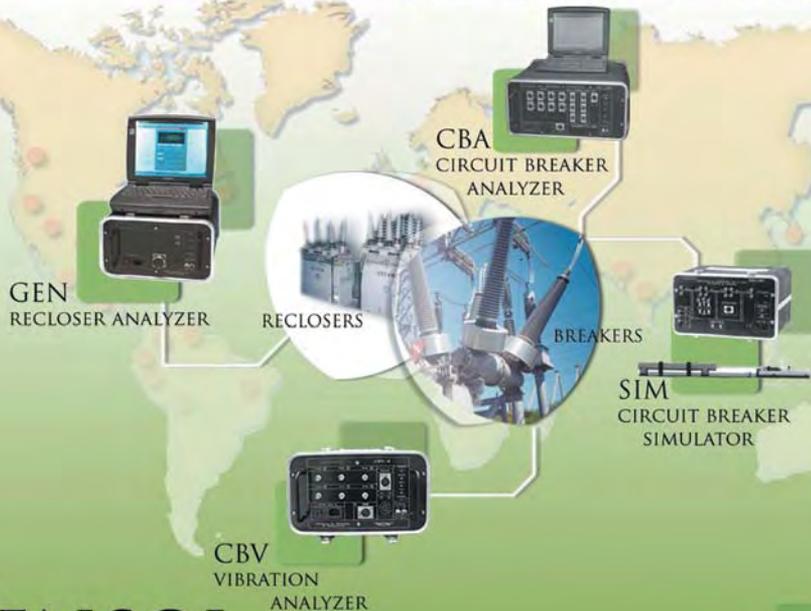
Neoptix Fiber Optics Sensors

1415, Charest Ouest, Suite 220
 Quebec City, Quebec G1N 4N7 Canada
 418-687-2500
 Fax: 418-687-2524
 Jean-Francois Meilleur
jfmeilleur@neoptix.com
www.neoptix.com

Neoptix Fiber Optic Sensors, Inc. provides a complete range of fiber optic monitoring equipment for true and direct winding temperature monitoring of dry and oil-filled transformers. Neoptix temperature probes are ruggedized and designed to withstand manufacturing procedures, heat run tests and long term measurement. Monitoring systems are available with 1 to 512 channels, with most common communication protocols including serial, Ethernet, MODBUS, DNP 3 and IEC 61850.

Booth 20

STRONGLY BUILT STRONGLY BACKED



ZENSOL.COM

THE CIRCUIT BREAKER AND RECLOSER TESTING SPECIALIST





2007 International Conference of Doble Clients Exhibiting Companies

NETA
 2700 W. Centre Avenue, Suite A
 Portage, MI 49024 USA
 269-488-6382
 Fax: 269-488-6383
 Jayne Tanz
jtanz@netaworld.org
www.netaworld.org

Serve the electrical testing industry by establishing standards; publishing specifications; accrediting independent, third-party, electrical testing companies; certifying test technicians; and promoting the professional services of our members.

Nichols Applied Technology, LLC
 1475 Avenue S, Suite 300
 Grand Prairie, TX 75050 USA
 469-733-1500
 866-387-9051
 Fax: 469-733-1501
 Bruce Nichols
bnichols@nicholstechnology.com
www.nicholstechnology.com

Bruce Nichols, the original founder and previous owner of High Voltage Supply has now established his new company in Grand Prairie, Texas, a suburb of the Dallas/Ft. Worth Metroplex. Co-owners include Jamie Kerbyson, Manuel Garza and Stanley Hart, all previous employees of High Voltage Supply. The company manufactures electrical contacts and replacement parts for load tap changers and circuit breakers. Design, reverse engineering and manufacturing is supported by state-of-the-art design and inspection equipment and an ISO9001 Quality System. Current R&D projects includes collaboration with EPRI and Powertech Labs on the development of "Smart Contacts" with wear indicator implants.

Normandy Machine Company
 250 Industrial Drive
 Troy, MO 63379 USA
 636-528-8913
 Gerald Woodruff
jery@normandymachine.com
www.normandymachine.com

NMC is the largest independent manufacturer of electrical contacts for all makes and models of LTC, OCB and Switches. NMC has complete LTCs in stock, along with complete interrupters. Our inventory is approaching \$1,700,000.00 with \$1,000,000.00 in finished goods ready for Next Day Delivery! NMC also has Porcelain Bushings from 1.2 KV -34.5 KV and up to 4000 amps with related hdwe. Our Consulting and Training has been called the best value in the industry! Contact NMC for your substation needs!

Booth 44 Nynas USA Inc
 1800 West Loop South, Suite 1150
 Houston, TX 77027 USA
 713-819-2067
 Fax: 713-586-3845
 Jeremy Kriska
jekr@nynas.com
www.nynas.com/naphthenics

TRANSFORMER OILS - Nynas is the largest global producer of mineral-based Transformer Oils, with several production sites around the world. US operations supported by production at Three Rivers, TX. Oils are stored in Houston, TX, Long Beach, CA, and Montreal, QC. Nynas manufactures Type I, Type II, Arctic, and High Grade Transformer Oils. NEW in 2007 - Introducing NOVA Grade oils, conforming to latest industry corrosion standards.

Opsens
 2014 Cyrille Duquet, Suite 125
 Quebec City, Quebec G1N 4N6 Canada
 418-682-9996 extension 231
 Fax: 418-682-9939
 Francis Raveneau
francis.raveneau@opsens.com
www.opsens.com

Opsens is a leading developer, manufacturer and supplier of a wide range of fiber optic sensors and associated signal conditioners based on proprietary and patent pending technologies. Opsens sensors provide long-term accuracy and reliability in the harshest environments needing to measure pressure, temperature, strain and displacement in the oil and gas, medical, energy and laboratory sectors. Clients attending the Doble conference are invited to stop at the Opsens booth to discover the Zero-Fault™ system and the 100% yield guarantee that are both Opsens exclusivities.

Booth 18 PAUWELS AMERICAS, INC.
 One Pauwels Drive
 Washington, Missouri 63090, USA
 636-239-9300
 Fax: 636-239-9398
 Marc Schillebeeckx
info@pauwels.com
www.pauwels.com

Pauwels, a wholly-owned subsidiary of Crompton Greaves Limited, is one of the world leaders in the design and manufacturing of innovative three-phase distribution and power transformers, and integrated solutions. Pauwels operates manufacturing plants (transformers) and subsidiary companies (contracting & services) on 3 continents.

Pauwels also provides complete turnkey systems, such as AIS & GIS substations up to 500 kV, and is a world leader in the production of mobile substations & mobile transformers up to 245 kV. The Service Division offers a full range of after-sales maintenance and repair services for transformers and on-load tap changers, and provides condition based monitoring & maintenance. Pauwels also markets and supports a fully complementary line of HV and EHV GIS & AIS switchgear up to 420 kV.

For 60 years, Pauwels has stood for innovative, high-quality, reliable transformers, respect for the environment and service to customers around the world. By creating a dynamic and flexible company focused on these key points, Pauwels continues to operate as a total solutions company offering innovative designs, high performance, proven reliability and maximum return on investment for its customers.

Photon Control Inc
 200-8363 Lougheed Hwy
 Burnaby, BC, Canada, V5A1X3
 604 422 8861
 Fax: 604 422 8418
 Ivan Melnyk
imelnyk@photon-control.com
www.photon-control.com

Photon Control develops and manufactures opto-electronic products for measurement and control. All Photon's products have competitive advantage in performance and cost. Product line for power industry includes: fiber optic temperature sensors, contact wear monitors for LTC and circuit breakers, fiber optic spectrometers for arc monitoring, remote temperature sensors, total sulfur analyzer of transformer oil.

Booth 10

Booth 53

Booth 24

Booth 41

Booth 49





2007 International Conference of Doble Clients Exhibiting Companies

Power Asset Recovery

3801 Whipple Ave NW Suite 1
Canton, OH 44718
330-493-1890
Fax: 330-493-1893
Mark Haas
mark@power-asset.com
www.power-asset.com

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"

Power Substation Services

4 Industrial Park Drive
Wheeling, WV 26003 USA
304-232-1590
Fax: 304-232-1599
Scott Reed
sreed@powersubsvcs.com
www.powersubsvcs.com

Power Substation Services (PSS) specializes in the installation and maintenance of transformers and other electrical equipment. PSS has mobile rigs for performing hot oil reclamation on energized transformers. This process removes the harmful contaminants such as moisture, sludge and gases that build up over time in the oil. Hot oil reclamation will also protect transformers from failure while extending their lives. PSS also has a process known as PCBXsm. This process removes PCBs from mineral oil in energized transformers. Other services offered by PSS include oil sampling, acceptance testing and a variety of other transformer maintenance services.

Qualitrol

1385 Fairport Road
Fairport, NY 14450
585-586-1515
Dave Billings
dbillings@qualitrolcorp.com
www.qualitrolcorp.com

A leading supplier of substation instrumentation and automation equipment, Qualitrol provides intelligent electronic devices, substation information servers, fault locators and software packages for making intelligent loading decisions and extending transformer life.

Booth 8

Reinhausen

2549 N 9th Ave
Humboldt, TN 38343 USA
731-824-4004
Fax: 731-784-7682
John Gamane
johng@bestlinc.com
www.BESTLINC.com

Reinhausen offers a Maintenance-Free long-range vision as regards the accessories on a Power Transformer. This includes On-Load Tap Changers, Dehydrating Breathers, Off Circuit Tap Changers, Voltage Control, as well as Oil Level and Temperature Instrumentation.

S & C Electric Co

6601 North Ridge Boulevard
Chicago, IL 60626 USA
773-338-1000
Steve Strand
www.sandc.com

S&C is a global provider of electrical power switching and protection equipment for the electrical power industry, and also offers a wide range of engineering, laboratory, and testing services for power users.

Booth 7

S.D. Myers

180 South Ave,
Tallmadge OH 44278 USA
330-630-7000
Becky Compton
becky.compton@smyers.com
www.smyers.com

S.D. Myers Transformer Consultants provide analytical, training, and international field service in order to extend the reliable life of customers' substation equipment and to reduce their PCB liability.

Sankosha

406 Amapola Avenue, Suite 135
Torrance, CA 90501 USA
310-320-1661
888-711-2436
Fax: 310-618-6869
Bruce Thatcher
bthatcher@sankosha-usa.com
www.sankosha-usa.com

Sankosha Corporation has provided products and services to the electric power and telecommunications industries for 77 years. SAN-EARTH, the world's first conductive cement, is a permanent maintenance free product that dramatically lowers ground system resistance and surge impedance. SAN-EARTH was developed by Sankosha in cooperation with the Chubu Electric Power Company in Japan for the grounding of transmission towers in areas where soil resistivity is high and access difficult. SAN-EARTH is economical, safe and it will not harm the environment. More than 25 years of ongoing tests of installed electrodes prove consistent performance for the long term. Applications include transmission and distribution lines, power plants, substations, wind turbines, communication systems. Sankosha's Gas Discharge Tubes (GDT's) are well known for providing reliable equipment protection in low voltage circuits. In today's atmosphere of diversified supplier mergers, Sankosha still provides personal professional support in our niche in the GDT market.

Booth 57

Schweitzer Engineering Laboratories Inc

2350 NE Hopkins Court
Pullman, WA 99163 USA
509-332-1890
Fax: 509-334-8795
Gastón Ortega
gastor@selinc.com
www.selinc.com

SEL is a leading manufacturer of protection, monitoring, automation, and communications solutions covered by a worldwide 10-year warranty, with the strongest customer support in the 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.

Booth 56

Serveron Corp

3305 NW Aloclek Drive
Hillsboro, OR 97124 USA
503-924-3200
Fax: 503-924-3290
Steve Jennings
Steve.Jennings@serveron.com
www.serveron.com

Serveron develops, delivers and supports on-line transformer monitor products, as well as diagnostic services that transform the way utility assets are managed. We offer the TM series of on-line transformer DGA monitors with an 8 gas and a 3 gas model. The Serveron Monitoring Service provides automatic alarm notification, gas trending and diagnostic capabilities. 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.

Booth 52

Siemens Service Solutions

7000 Siemens Road
Wendell, NC 27591 USA
919-365-2329
Jeff Phelan
jeff.phelan@siemens.com
www.usa.siemens.com/energy
Siemens provides Medium and High Voltage Substation Products an associated services.

Booth 9

Solidification Products Int'l. Inc.

P.O. Box 35
215 Village Street
Northford, CT 06472 USA
203-484-9494
Fax: 203-484-9492
Bill Gannon
bgannon@oilbarriers.com
www.oilbarriers.com

SPI has provided storm water drainage for new or existing substations, oil tanks & storm drains for years. Our products have helped 100's of companies to comply with SPCC regulations for oil spill containment. Petro-Barrier, Petro-Pipe & Petro-Plug passively allow water to drain while absorbing oil sheen and sealing in the event of an oil spill.

Booth 3

Booth 62

Booth 66

Booth 1

Booth 60

**Southern States, LLC**

30 Georgia Avenue
Hampton, GA 30228 USA
770-946-4562

Fax: 770-946-8106

Tom Speas

SALES@SOUTHERNSTATESLLC.COM

www.southernstatesllc.com

Southern States, LLC is a world leader in the design and manufacture of high voltage switching devices. The company offers disconnect switches, circuit switchers, load and line switchers, capacitor and reactor switchers, and a unique current measuring device.

Booths 34, 35**TransFluid Services, Inc**

201 Inner Drive
Le Sueur, MN 56058 USA
800-442-8077

Fax: 612-465-6190

John Laux

john@transfluidservices.com

www.transfluidservices.com

TransFluid Services, Inc. is a national service company specializing in fluid handling services on large transformers. These services include vacuum filling of new transformers, degas, dehydration, acid stripping and oil improvement to exceed new oil specifications. We also provide retro filling services of existing transformers with the new vegetable based environmentally friendly transformer fluids and provide customer fluid sampling services.

All of our equipment is self contained and provides its own power so we won't surprise you with additional charges. Our staff has been together for over 8 years as a group and has over 55 years of combined experience providing these services exclusively.

Booth 48**Transgard Fence**

640 East Main St.
Palmyra, NY 14522 USA
800-585-1550 315-597-1111
Fax: 315-597-1220

Fred Smith

fsmith@transgardfence.com

www.transgardfence.com

TransGard Systems, Inc. provides the proven animal deterrent system to safeguard power facilities and equipment against animal caused power outages.

Booth 51**Trantech Radiator Products, Inc.**

1 Tranter Drive
P.O. Box 570
Edgefield, SC 29824 USA
803-637-3166 ext 207
Fax: 803-637-3046

Steve Blane

sblane@trantechradiators.com

www.trantechradiators.com

Trantech Radiator Products is the largest manufacturer of transformer radiators in North America. We have been supplying radiators for over fifty years. Products include 9", 12", 15" and 520mm radiators and radiator valves.

Booth 45**Unifin International LP**

5721 McNeven Court
Dublin, OH 43017 USA
614-336-1590

Fax: 614-336-1872

Dick Amos

dick.amos@unifin.com

www.unifin.com

Unifin International is the world's leading supplier of transformer FOFA coolers, Cardinal transformer oil circulating pumps and motor/generator air and hydrogen coolers. Both extruded tube and platefin technologies are available, with the choice of cooling surface being determined by customer preference and the specifics of the application. Unifin supplies both OEM and users with a flexible line of standardized coolers that allow bolt-in installation of replacement coolers without requiring piping modifications. Cardinal Pumps has recently purchased the Harley Products division in Twinsburg, OH, and Unifin has also purchased the GE Tidewater generator cooler factory

Booths 63, 64**Utility Automation & Engineering T&D**

PennWell, 1421 S Sheridan Road
Tulsa, OK 74112 USA

603-891-9731

Kathleen Wackowski

kathleenw@pennwell.com

www.utilityautomation.com

Utility Automation & Engineering T&D magazine is the power industry's leading journal on electric power transmission and distribution automation systems, engineering and information technology. Topics covered in the magazine include automatic meter reading (AMR), distribution automation, AM/FM/GIS, transmission system technology, T&D operations and maintenance, and T&D equipment and hardware.

Booth 61**Velcon Filters**

1210 Garden of the Gods Road
Colorado Springs, CO 80907 USA
719-531-5855

Fax: 719-531-5690

Linda Oppelt

vfsales@velcon.com

www.velcon.com

Turn oil handling into art with Velcon! Our fixed, portable, & mobile filtration & storage systems combine versatility, simplicity, and quality to purify insulating oil using advanced Superdri® cartridge technology. Velcon's load tap changer filter systems, oil filter trailers, and on-line transformer drying systems out-perform the rest.

Booth 17**Virginia Transformer Corp**

220 Glade View Drive
Roanoke, VA 24012 USA
540-345-9892 X115

Fax: 540-342-7694

Debbie Custer

Debbie_Custer@vatransformer.com

www.vatransformer.com

Power transformers for Utility, Industrial / Commercial applications, Virginia Transformer Corp is your single source for all your needs and has been since 1971.

Booth 26**The Von Corporation**

PO Box 110096
1038 Lomb Avenue SW
Birmingham, AL 35211 USA

205-788-2437

Fax: 207-780-4015

www.voncorp.com

The Von Corporation manufactures high-voltage test equipment and primary underground cable fault location equipment.

Booth 50**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

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

Booths 38, 39**ZTZ Services International**

786-252-6965

Zalya Berler

berlerg@bellsouth.net

www.ztzservices.com

ZTZ Services international is engineering and consulting firm that specializes in on-line in service testing and diagnostic for large power transformers, free standing CT's and CCVT's.

The company manufactures hardware and instrumentation for on-line PF bushings, CT and CCVT testing and monitoring.

ZTZ Services international has recently introduces a unique software for design review of the power transformers which includes the following modeling of the transformer design:

Winding dynamic stability at short circuit stress

High frequency transients inside transformer at the lighting impulse, Dielectric margin of insulation, Thermal profile of winding and hot spot. The company is an exclusive distributor in N. America of DGA analyzer manufactured by MTE, Germany

Booth 14



VIRGINIA TRANSFORMER CORP
www.vatransformer.com



Virginia Transformers manufactures Power Transformers,



and we repair
them too!!!



VIRGINIA TRANSFORMER CORP
www.vatransformer.com

“ Visit us at Booth 25”

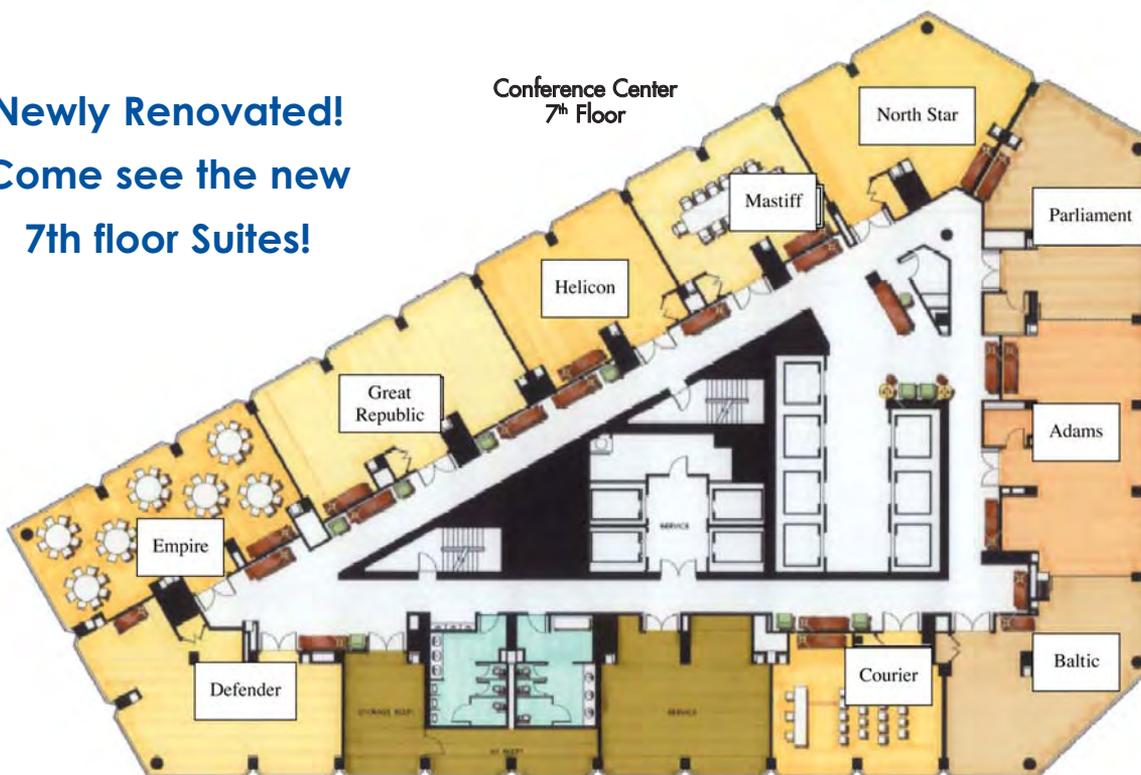


Hospitality Suites at the 2007 International Conference of Doble Clients

In addition to the Industry Expo Conference attendees should take advantage of the extensive schedule of Hospitality Suites open in the evenings after the Expo closes. Hospitality Suites offer a relaxed networking opportunity, and many have wonderful food and beverages offered!

Hospitality Suites are located on the 7th, 21st, 31st and 36th floors. See below for a schedule of companies hosting Suites. Suites open at 7:30 PM on Sunday and 7 PM Monday through Wednesday with one noteworthy exception: **SD Myers will be hosting a Breakfast Suite in Turners Restaurant, 1st floor, on Tuesday, March 27th from 6:30 – 9:30 AM.** SD Myers invites all interested Conference delegates to come to their breakfast!

Newly Renovated!
Come see the new
7th floor Suites!



Hospitality Suite Schedule as of March 9, 2007	Sunday, March 25	Monday, March 26	Tuesday, March 27	Wednesday, March 28
Great Republic		Uptime Solutions	Uptime Solutions	Uptime Solutions
Helicon	AREVA	AREVA	Kelman	
Defender		Petro Canada	Petro Canada	
Courier	E Manufacturing	E Manufacturing	E Manufacturing	
North Star		SouthWest Electric	SouthWest Electric	
Parliament		ABB	ABB	
Adams				
Baltic		PCORE	PCORE	
Presidential		GE	GE	Reinhausen
Imperial			Nynas	Nynas
Ambassadors				
Governor		Waukesha	Waukesha	
Senator			Velcon	Velcon
Turners Restaurant			SD Meyers (breakfast)	



2007 Hospitality Suite Holder Company Descriptions

ABB US

1128 Cavalier Drive
Alamo, TN 38001 USA
314-679-4722

Fax: 314-679-4595

Randy Williams

randy.williams@us.abb.com

www.abb.com

ABB power technology offerings serve industrials and utilities with a broad range of services and solutions for power transmission and distribution with products such as transformers, switchgear, breakers, capacitors and cables, as well as high- and medium-voltage applications.

Areva T&D

One Power Lane
Charleroi, PA 15022 USA
1-724-483-7891

Fax: 724-483-7771

Mark Hammer

mark.hammer@areva-td.com

www.areva-td.com

AREVA T&D supplies high voltage electrical substation equipment worldwide including a full compliment of power circuit breakers, disconnect switches, and gas insulated switchgear. AREVA T&D also has a complete line of instrument transformers and associated products from 15 kV to 765 kV, including current transformers, voltage transformers, combined metering units, power voltage transformers, line traps, line tuners, and air-core reactors and large power transformers from eight manufacturing facilities worldwide. Transformer capacities range to 800 kV and from 50 MVA to > 1000 MVA and include auto transformers, GSU, step down and shunt reactors. AREVA T&D's North America Service organization provides a comprehensive range of support services for AREVA T&D's equipment meeting all industry requirements.

E Manufacturing

7275 Industrial Park Boulevard
Mentor, OH 44060 USA
440-951-0900

Fax: 440-951-0965

Chris Francis

chris@emanufacturing.com

Emanufacturing is an innovative manufacturer of circuit breaker parts, tap changer parts, disconnect switches, and other power transmission components.

GE Energy

4200 Wildwood Pkwy
Atlanta GA 30339
678.844.6551

Shery Odom

shery.odom@ge.com

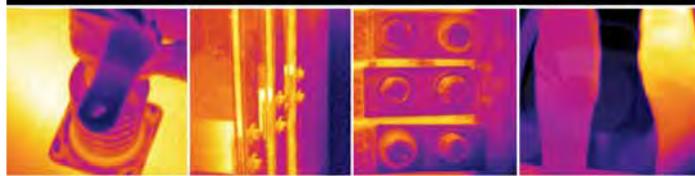
www.ge-energy.com/industrial.solutions

GE Energy offers the expertise and service capabilities you need to keep your equipment in peak operating condition. From power system design to remote monitoring to remanufacture to repairs, we have the know-how and experience you can rely on to help ensure the smooth and efficient operation of your transformers, substations, motors, switchgear, drives and other power related equipment. Contact your GE Energy sales representative today and find out how we can help you with your winning performance. Visit us on the web at www.ge-energy.com/industrial.solutions.

ARC-FLASH PROTECTION

Is your electrical thermography to code?

- Arc-Resistant Design (>40cal/cm²)
- Totally Insoluble CLIRVU™ optic
- UL & CSA Recognized
- Suitable for Indoor & Outdoor use



Hawk IR International Inc.
5309 Monroe Road
Charlotte
NC 28250
United States of America

HAWK I.R.

Web. www.hawk-ir.com
Email. sales@hawk-ir.com

TOLL FREE:- 1-877-4-HAWKIR



2007 Hospitality Suite Holder Company Descriptions

High Voltage Supply

(a division of Waukesha Electric Systems, Inc.)

9011 Governors Row
Dallas, TX 75247-3709 USA
214-637-4434
800-338-5526
Fax: 214-637-1157
Fernando Lujan
HVInfo@waukesha.spx.com
www.HighVoltageSupply.com

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 strong reputation as an industry leader in reverse-engineering and design enhancement.

Kelman

4147 N. Ravenswood Avenue
Chicago, IL 60613 USA
773-944-0693
Fax: 773-944-0690
Ronald Weir
r.weir@kelman-usa.com
www.kelman-usa.com

Provide innovative solutions for the electrical power industry. Kelman's field proven DGA equipment represents the next generation in portable and continuous on-line applications. Kelman's modern measurement technique for DGA requires no regular calibration or maintenance, no consumables and is ideal for field use. The portable TRANSPORT X unit has established itself as the world market leader in portable DGA and moisture measurement. TRANSFIX is our flagship 8 gas plus moisture monitor for continuous monitoring of critical assets. TAPTRANS allows comprehensive monitoring of the Main Tank and LTC in one compact unit. The lower cost 3 gas plus moisture MINTRANS monitor also available. All DGA equipment supplied with the powerful PERCEPTION software for transformer diagnostics. The KELMAN SERVICES group provides condition assessment and training from world renowned experts in transformer diagnostics. PROFILE P2 Circuit Breaker Analyzer provides vital "first trip" information for on-line testing. 3 phase "Pole Spread" measurement available.

Nynas USA Inc

1800 West Loop South, Suite 1150
Houston, TX 77027 USA
713-819-2067
Fax: 713-586-3845
Jeremy Kriska
jekr@nynas.com
www.nynas.com/naphthenics

TRANSFORMER OILS - Nynas is the largest global producer of mineral-based Transformer Oils, with several production sites around the world. US operations supported by production at Three Rivers, TX. Oils are stored in Houston, TX, Long Beach, CA, and Montreal, QC. Nynas manufactures Type I, Type II, Arctic, and High Grade Transformer Oils. NEW in 2007 - Introducing NOVA Grade oils, conforming to latest industry corrosion standards.

PCORE Electric Company, Inc.

135 Gilbert Street
LeRoy, NY 14482 USA
585-768-1255
Fax: 585-768-1212
Eric Hildreth
ehildreth@pcoreelectric.com
www.pcoreelectric.com

PCORE is North America's only company 100% focused on the manufacturing of capacitance-graded bushings, and related components, for transformers and OCBs 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™ Let us prove to you that we have "The Power To Serve".



- Load & Line Switchers
- Circuit Switchers
- Capacitor Switches
- Air Disconnect Switches
- Grounding Switches
- Hookstick Switches
- Motor Operators
- Power Fuses
- Upgrades & Retrofits
- Parts & Service
- Training
- Tech support



Southern States, LLC
30 Georgia Avenue
Hampton, GA 30228

Phone: 770-946-4562 Fax: 770-946-8120
www.southernstatesllc.com email: sales@southernstatesllc.com



2007 Hospitality Suite Holder Company Descriptions

Petro-Canada

2310 Lakeshore Road West
Mississauga, Ontario, L5J 1K2 Canada
800-299-4996
Fax: 877-352-8916
Don McEachern, Account Manager
mceacher@petro-canada.ca
www.petro-canada.ca

Petro-Canada's Luminol Transformer Fluids represent a breakthrough in electrical insulating fluid technology. They offer transformer users of all sizes an insulating fluid which is free of corrosive sulphur. Luminol passes all current corrosive sulphur tests without the use of passivators.

Reinhausen

2549 N 9th Ave
Humboldt, TN 38343 USA
731-824-4004
Fax: 731-784-7682
John Gamane
johng@bestlinc.com
www.BESTLINC.com

Reinhausen offers a Maintenance-Free long-range vision as regards the accessories on a Power Transformer. This includes On-Load Tap Changers, Dehydrating Breathers, Off Circuit Tap Changers, Voltage Control, as well as Oil Level and Temperature Instrumentation.

S.D. Myers

180 South Avenue
Tallmadge OH 44278 USA
330-630-7000
Becky Compton
becky.compton@smyers.com
www.smyers.com

S.D. Meyers Transformer Consultants provide analytical, training, and international field service in order to extend the reliable life of customers' substation equipment and to reduce their PCB liability.

SouthWest Electric

PO Box 82639
Oklahoma City, OK 73148 USA
405-736-8616
Bruce Forsyth
bruce.forsyth@swelectric.com
www.swelectric.com

Since its founding in 1945, Southwest Electric has become one of the foremost re-manufacturing, manufacturing, and service companies for the electrical equipment industry in the United States, focusing on medium class power transformers, electrical motors, rotating equipment, and metal clad switchgear for the utility and industrial markets as well as specialty transformers for the oil field pump industry.



Uptime Solutions

6 Dorset Place
Durham NC 27713 USA
919-544-8191
George Forrest
gforrest@uptime-solutions.com

Uptime Hospitality Suite Participants:

The seven companies participating in the UPTIME SOLUTIONS Doble Hospitality Suite for 2007 provide products and services that are synergistic to complete substation monitoring, testing and maintenance solutions:

Cooper Power/Cannon Technologies provides a complete substation integration capability by communicating with existing or new IEDs using wired or wireless solutions to deliver data to a consolidated Yukon data base that delivers useable information to the desktop accessible through a web browser interface.

Digital Inspections' Cascade CMMS consolidates and integrates data from multiple inputs including on-line monitoring data, field inspections, and third party applications to offer one location to access all relevant information for the maintenance and health of substation equipment.

Delta X Research's Transformer Oil Analyst new version TOA4 is the state of the art method for delivering a software application to the desktop through a web browser.

Enoserv produces PowerBase a substation settings management system that stores, tracks & shares relay data from testing software, RTS an automated universal relay testing software and Vector a satellite-synchronized, multi-state, end-to-end relay testing software.

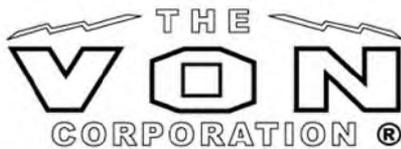
On-line Continuous PD Monitoring
for power transformers
generators motors

The PD Guard!

Call or visit
our website
today!

HVT the USA subsidiary of **LDIC**
HV TECHNOLOGIES, Inc.

Tel: 703-365-2330 hvsales@hvtechnologies.com www.hvtechnologies.com



Trusted Worldwide for
Quality Test Equipment



VLF Cable Testing



Portable Fault Locating



Easy URD Loop Restoration

1 (205) 788-2437
voncorp@voncorp.com
www.voncorp.com

2007 Hospitality Suite Holder Company Descriptions

INCON is an industry leader for Transformer/Load Tap Changer (LTC) Monitors & Accessories
 Physical Acoustics Corporation (PAC) designs and manufactures acoustic emission sensors and acoustic emission measurement instruments
 Weschler manufactures measuring, display, control and protection instrumentation for utility and process control applications. Transformer & LTC Temperature Monitors, Transformer Advantage

Velcon Filters

1210 Garden of the Gods Road
 Colorado Springs, CO 80907 USA
 719-531-5855
 Fax: 719-531-5690
 Linda Oppelt
vfsales@velcon.com
www.velcon.com

Turn oil handling into art with Velcon! Our fixed, portable, & mobile filtration & storage systems combine versatility, simplicity, and quality to purify insulating oil using advanced Superdri® cartridge technology. Velcon's load tap changer filter systems, oil filter trailers, and on-line transformer drying systems outperform the rest.

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

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



IMMEDIATE RESPONSE SPILL TECHNOLOGIES

11760 COMMONWEALTH DR.
LOUISVILLE, KY 40299
TOLL FREE (866) 242-4368

Manage and Prevent Hazardous
Material Spills with Agent-X
Hydrocarbon Flow Filters



All HFF filters are hydrophobic,
allowing water to pass, while
preventing hydrocarbons from
migrating through the filter.

www.ciagent.com

THERE'S NOTHING LIKE LIVING ON THE EDGE



RFL 3000 ES42H Hardened Edge Switch

The new RFL ES42H lives on
the edge of IP networks. This
compact switch packs a big
punch, delivering up to six
10/100 Mb electrical or optical
ports. Contact RFL for more
information and find out why
it's so exciting to live
on the edge.



RFL Electronics Inc.

www.rflect.com sales@rflect.com
P 973.334.3100 F 973.334.3863



EXPERTS IN TRANSFORMER LEAK REPAIR

- | | |
|-----------------------|----------------------------------|
| Flapper Valve Packing | Two Year Guarantee |
| Flapper Valve Flanges | No Draining Oil |
| Tap Changers | Sealant |
| Pumps | Compatibility Analysis |
| Drain Plugs | Dialectrically
Tested Sealant |
| Cover Plugs | Experienced Technicians |
| Bushings | Lump-Sum Quotes |
| Weld Leaks | Reduced Down Time |

866-572-5325

OIL LEAK REPAIR SERVICES

www.coltonline.com



eSUNTech

offers solutions utilizing
bleeding edge technologies
such as Mobile Computing,
Wireless, m2m and RFID
for applications in Electrical
Utilities, Manufacturing and
Distribution/Warehousing
companies. Some of the
solutions offered :

- EnerMatics**
Energy and Resource Management Solution
- ePlantTrack**
Plant Asset Tracking and Management Solution
- XCELMetering**
Sub-metering and Billing Solution
- eQVista**
Remote Monitoring Solution
- RxTRAKKER**
Mobile ID Emergency Medical Care Solution

eSUNTech has offices in Windsor, ON, Detroit, MI, Baltimore, MD, Chicago, IL and Hyderabad, INDIA

eSUNTech Inc.

17900 Woodward Ave., Suite 225, Detroit, MI 48203
Ph: 410 838 7681 / 313 279 5226

Web: www.esun-tech.com <<http://www.esun-tech.com>>
eMail: info@emicro-tech.com



Hardware for High Voltage Lines using Alcan Technology for more than 25 years



2640 Blvd. Jacques-Cartier East
Longueuil, QC, J4N 1P8, Canada
Tel: 450-679-7778
Fax: 450-679-9432

ASTM F1891-99a

HI-RISK RAINWEAR

ARC AND FLAME RESISTANT RAINWEAR

Ranpro's line of rainwear for protection
from electrical arc and open flame hazards
offers additional protection in the event
of an arc flash and most importantly will
not contribute to burn injury. Standard
FR PVC/Nylon rainwear, although flame
resistant, can significantly add to burn
injury in an arc flash accident.



Utili-Gard™ and Arc-Gard™
rainwear offer the protection
that all electrical workers
need, no matter what the
job hazard is.

Ranpro Inc.
620 Ireland Road,
Simcoe, Ontario N3Y 4L6
Tel: (519) 426-1094
Fax: (519) 426-5313
E-mail: ranpro@ranpro.com
www.ranpro.com



Solid Brass Padlocks and Accessories



HERCULES INDUSTRIES, INC.

Manufacturer of Herculox Padlocks

P.O. Box 197 • Prospect, Ohio 43342

Phone: (740) 494-2628

Toll Free: 1-800-345-2590

Fax: (740) 494-2274

www.herculox.com

Substation Automation

Model 1511-LTC Load Tap Changer Position Monitor For Slidewire (Resistor) Transmitters



- Accurate remote position indication
- Simplified Computer Programming
- Modbus protocol
- Filtering
- Raise and lower indicators
- Draghand function
- Remote display driver



P.O. Box 638 Saco, ME 04072
Tel: 800.872.3455 FAX: 207-283-0158



Visit: www.incon.com
Click on "Power Reliability Systems (PRS)"



UVR-1 Setting a NEW USA Standard For Universal Voltage Regulator Controls!

G.E., Siemens, Cooper, Howard Industries.
ANSI-IEEE - 37.90 Surge/RF 2002 std. and
DNP-3.0 Communication CERTIFIED!

Ten Year Limited Warranty.

UVR-1 - Advanced- Non Obsolete
Control Technology!

UVR-1 Retro-fits with a Rail & Harness, quick change-out KIT for all common brand Voltage Regulators, INTO their existing cabinets. The Scrolling Control, and Plastic Clad Operation and set-up Menu chart, provides users complete A-Z installation Parameters "at a Glance." ALSO, USC-1 Universal (Regulator) SIMPLE Control without communication, UVR-1 LTC- For all brands Load Tap Changer Transformers.

www.ICMinc.com

1200 Ferris Road • Amelia, OH USA
513-752-4731

Advertisers Index

Company	Web Site	Page #
Cannon Technologies	www.cannontech.com	p.09
Fiso Technologies	www.fiso.com	p.07
GE Energy	www.ge-energy.com/industrial service	Inside Back Cover
Hawk IR International	www.hawk-ir.com	TBD
HV Technologies Inc.	www.hvtechnologies.com	p.25
Indeck Power Equipment Company	www.indeck.com	p.12
Morgan Schaffer Systems Inc.	www.morganschaffer.com	p.03
Neoptix Fiber Optic Sensors	www.neoptix.com	p.04
Nynas USA Inc.	www.nynas.com	Inside Front Cover
Opsens Fiber Optic Sensors	www.opsens.com	p.01
Petro-Canada	www.petro-canada.ca	Outside Back Cover
Southern States	www.southernstatesllc.com	p.24
The Von Corporation	www.voncorp.com	p.26
Trantech Radiator Products Inc.	www.trantechradiators.com	p.14
Unifin International	www.unifin.com	p.11
Virginia Transformer Corp.	www.vatransformer.com	p.21
Zensol Automation Inc.	www.zensol.com	p.17

GE Energy

When you invest in quality equipment, you expect it to run in top form at all times—whether you're rounding a hairpin turn on the Le Mans circuit or driving performance throughout your business.

GE Energy offers the expertise and service capabilities you need to keep your equipment in peak operating condition. From power system design to remote monitoring to remanufacture to repairs, we have the know-how and experience you can rely on to help ensure the smooth and efficient operation of your transformers, substations, motors, switchgear, drives and other power related equipment. Contact your GE Energy sales representative today and find out how we can help you with your winning performance.

Visit us on the web at ge-energy.com/industrial-service.

A winning performance starts with expert service.



imagination at work

Visit GE Energy at booth 46 and 47.



Luminol*
High-Efficiency
Electrical Insulating Fluids



645019 1/1

**Corrosive
Sulphur-Free
Worry-Free**

Plug in to better transformer performance.

LUMINOL* provides superior heat transfer for enhanced transformer performance.

Unlike naphthenic mineral oils, LUMINOL uses Petro-Canada's ultra-pure iso-paraffin base fluids. Our fluids contain no corrosive sulphur that may lead to transformer breakdown. Corrosive sulphur-free, worry-free. LUMINOL provides excellent heat transfer and oxidation stability, making energy transfer more efficient.

Prove it to yourself. Find out more about our LUMINOL family of products. Call 1-800-299-4996 or e-mail lubecsr@petro-canada.ca

*Trademark of Petro-Canada.
LUB 2076 (07.02)

Beyond today's standards.*

