

Certification NEWS

New service for lighting manufacturers



Greg Thomas, Chair of the Certification Board, center, cuts the ribbon with help from Randall W. Luecke, President, CSA International and OnSpeX left, and Robert M. Griffin, President and CEO, CSA Group.

Manufacturers of lighting products can now take advantage of new, expanded services through CSA International. As part of a core commitment to provide fast, flexible and high-quality service, CSA International officially opened its Atlanta lighting and electrical laboratory facility on February 7.

“With this laboratory, CSA International can provide a broader set of services to lighting customers – in effect, one-stop shopping for certification and energy efficiency testing for both Canada and the U.S.,” said Randall W. Luecke, President, CSA International, and President, OnSpeX, before the ribbon-cutting. “This is a perfect example of the fast, flexible and high-quality service our clients demand and deserve.”

Clients, members of the Certification Board of Directors, management and staff attended the ribbon-cutting ceremony for the Alpharetta, Georgia building, which will also serve as a field office for other CSA Group divisions including OnSpeX for consumer product evaluation services, and QMI for management systems registration.

The laboratory recently qualified for NIST/NVLAP accreditation, allowing it to provide testing on energy efficient lamps for Energy Star Qualification. “The Energy Star program is increasingly important to lighting manufacturers – and to CSA International,” said Mr. Luecke. “CSA International will be helping our clients design and market innovative products that protect our environment – and earn the favor of consumers.”

The new location is CSA International’s third U.S. laboratory, with other certification and testing operations in Cleveland, Ohio and Irvine, California, and joins field offices in Charlotte, North Carolina; Chicago, Illinois; Dallas, Texas; and Nashville, Tennessee.

The new office’s coordinates are:

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“Katrina” home gets boost from CSA International

A modular home, constructed in Kelowna, B.C. with electrical certification by CSA International, is bound for Louisiana as part of the Hurricane Katrina relief effort. Local trades people donated their services to construct the home, and CSA’s service was provided at no charge.

A Kelowna church has coordinated the effort, securing donations for the home design, materials and labour – and seeing the project through to completion despite a shortage of local trades people due to a local building boom.

“It’s the right thing to do,” says Trayton Gammon, CSA International’s Field Service Representative who championed the cause internally at CSA International so he could perform the inspection on his own time at no charge. “When the local electrical contractor contacted me to provide the inspection service, I felt compelled to help out.”

Gammon completed the initial inspection at a rough-in stage; the final inspection was due late March, after which the home would be put on a truck and shipped south to a needy family.

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CSA INTERNATIONAL

CSA International helps China's GP Enterprises with its export business

Moving water from where it is stored to where it is needed is such a basic feature of modern life that it's easy to take it for granted. Most people assume that if they turn on a tap, water will flow. If it does not, they are justifiably upset.

There is, of course, no magic involved in bringing water from reservoir to tap: it's down to engineering. A complex infrastructure keeps the world in water, much of it dependent on pumps. Failure of this infrastructure may be inconvenient to a household, but to a hospital or power station it can be critical.

Any company that aspires to leadership in manufacturing water pumps must focus on performance. An unreliable pump is a pump that no one will want to buy. For China's GP Enterprises, that meant providing its global customers – particularly those in the US – with independent assurance that its products meet the latest requirements for safety and performance from one of North America's leading certifiers, CSA International.

Since it gained its first CSAus certificate in 2003, GP Enterprises has been working closely with CSA International from initial design to finished product. Its entire product line is CSA-certified. For a company that has built much of its business on OEM contracts

from American partners, nothing is more important than CSA International's endorsement.

"Working with CSA International was one of the earliest and best decisions we made," said Clint Ma, president of GP Enterprises. "cCSAus certification opened the door to the North American market and gave us an immediate competitive edge over other Chinese OEMs. Unlike other local manufacturers, we can offer our full product line to North American customers with complete confidence.

"Our impression of CSA International is that they are really expert on the issues that matter, deploying the latest skills and techniques. They understand our business requirements – speed, flexibility and value. Best of all, CSA International is a people organisation. They helped us understand the importance of standards. Because of the testing process, we were able to solve safety and performance problems during the product development process. Their testing procedures are quick and efficient, enabling us to maintain our excellent time-to-market record."

Established in 1998, GP Enterprises is one of China's foremost producers of water pumps, with annual sales of around US\$5 million and a 20-30 per cent annual growth rate. For a company whose business is based

on water, its Suzhou home could hardly be more appropriate: the city is known as the Venice of the East for its historic canal network. GP Enterprises builds a wide variety of water systems, ranging from deep-well submersible pumps through heavy-duty utility pumps to lighter residential pumps and lawn sprinklers.

"It's been a real pleasure working with GP Enterprises over the past two years," said Fred Mark, Area Director Asia at CSA International. "The company's commitment to safety is inspiring. GP Enterprises has been steadfastly loyal to us as it grew its business and has introduced us to many other clients in China."

The relationship that has developed between CSA International and GP Enterprises shows clearly how a manufacturer and a certification organisation can pull together to create value for producer and customer alike. Certification is often seen as an arm's-length, judgemental procedure that is calculated to produce sleepless nights for a manufacturer. It doesn't have to be that way. Rather, a certification organisation can be a trusted part of the product development process that helps manufacturers meet the safety and performance standards needed to be successful in international markets.

Pumped on CSA International service

Pentair Water chooses CSA International over competing organizations

Frustrated by the service provided by other testing organizations, the pump group of a diversified operating company headquartered in Minnesota, has decided to consolidate its U.S. business in favor of CSA International.

The Water Group of Pentair, Inc. is a global leader in providing innovative products and systems used worldwide in the movement, treatment, storage and enjoyment of water. Pentair has worked with a number of certifiers over the years and had been using the CSA c/us mark on a few product lines; however the bulk of its pumps also carried the UL mark.

With recent growth and acquisitions, and a commitment to constant innovation to meet the demands of a global marketplace, the company needed frequent collaboration with certification organizations to update certification records and to test new models. In such an environment, responsiveness and value are critical.

In 2005, Pentair decided to drop UL for the US market and converted its pump listings into CSA c/us certifications. "CSA International's product approval process is more convenient and less time consuming, reducing our time to market," says Mike Michalek, team leader, Agency Listings/Product Liability at Pentair. "CSA International's ability to continually provide services in a timely manner, without sacrificing safety and quality, has sold us. And with acceptance of the CSA c/us mark by major retailers with whom we do business, the decision was an obvious one."

"We are delighted to have earned and extended the trust and confidence of Pentair through our responsive service, close client communication and the knowledge and expertise of our staff," says Randall W. Luecke, President, CSA International and OnSpeX. "We recognize that manufacturers have choices in third-party testing and certifying organizations; we work hard every day to win our

clients' business by providing the expert knowledge and resourcefulness they need to help compete in today's marketplace. We hope to continue to grow and nurture Pentair's valuable relationship with us," he adds. As an example, a joint venture between Pentair and another company last fall selected CSA International as its sole North American certification agency for submersible pump motors.

"CSA International continues to improve communication and cooperation with our company, always seeking new ways to improve service with us," says Michalek. "This is the main reason CSA International continues to be a leader, and our choice, for testing and certification."

Powering up business with CSA International services

A CSA International-certified fuel cell power plant has not only proven itself against a stringent new standard, it is helping address the global energy challenge through high efficiency and clean-power technology.

The PureCell(TM) 200 from UTC Power, a leading worldwide producer of fuel cells and a company of United Technologies Corp., has been certified to meet the ANSI/CSA America FC 1-2004 Stationary Fuel Cell Power Systems Standard by CSA International. This new standard sets, construction, operating and quality requirements for stationary fuel cell power systems.

According to UTC Power's Michael Vukovinsky, Director of Products and Applications, "This achievement demonstrates the PureCell(TM) solution complies with the most stringent code in place today, which demands very high safety and performance standards. Conformance to this code also helps ensure easier installation of our product at customer sites and easier interconnection to electric utility grids."

The PureCell(TM) 200 system operates quietly and produces 200 kilowatts of power and 870,000 BTUs per hour of heat for cogeneration applications. It has the capacity to operate grid-connected or grid-independent and can be configured to transition instantaneously with no interruption in service.

The system also meets the strictest emission standards, such as those set forth in the California Air Resources Board 2007 distributed generation requirements. Globally, UTC Power stationary fuel cell units have accumulated more than 1 billion kilowatt hours of operating time.

"Standards are essential in developing and marketing new technologies," says Larry Preston, Manager, Fuel Processing, at UTC Power. "It's imperative that the compliance of such products with safety and

performance standards be confirmed by an accredited third party such as CSA International."

UTC Power is the world leader in commercial stationary fuel cell deployment. Since 1991, UTC Power has installed more than 265 phosphoric acid fuel cell systems in 19 countries on five continents. In pioneering its technology, UTC Power began working with CSA International (then AGAL) in 1990 and provided technical assistance in the development of an internal requirement (AGA 8-90, Fuel Cell Power Plants), which went on to become in 1998 a national U.S. standard, ANSI Z21.83, Fuel Cell Power Plants. Revised in 2004, this standard was renamed ANSI/CSA America FC 1, Fuel Cell Power Systems.

"We have shared a long history with CSA International, as we designed and brought to market clean, efficient and reliable fuel cell technologies," says Mr. Preston. "For this project, CSA International first worked with us in interpreting the new code. When we began production with new suppliers, a CSA International field engineer witnessed the first piece inspection and later was on site at our factory to inspect our test facilities and equipment calibrations, and to witness certain tests. We were very pleased with the service. CSA International accommodated all of our requirements and were highly responsive to our requirements."

"Our certification means that UTC Power can show potential customers, code officials, utilities, and insurance companies that its fuel cell meets the applicable safety standards for the U.S.," says Todd Strothers, CSA International Regional Manager. "We're proud to be the world leader in developing standards, and testing and certifying such groundbreaking technologies that deliver power in an efficient and environmentally friendly way."

Exploring new EU directives

Two new directives, the subject of a recent seminar organized by the CSA Learning Centre, affect companies that produce, ship or distribute electronic products or components into the European Union (EU).

"Awareness of these regulations is high," reports Tom Kung, manager, assistance to exporters, CSA International, "but many companies need help implementing compliance programs because the directives lack a reference standard. Furthermore, not all EU countries are ready for the associated recycling requirements and enforcement practices may vary from one country to another."

The European Waste Electrical and Electronic Equipment Directive makes producers largely responsible for costs associated with collecting, treating, recycling and recovering waste electrical and electronic equipment. The Restriction of Hazardous Substances directive will ban new electrical and electronic equipment containing more than designated

maximum allowable levels of lead, cadmium, mercury, hexavalent chromium and certain flame retardants, effective July 1.

The CSA Learning Centre seminar, held Oct. 25, 2005 in Toronto, attracted 65 people – among them plant managers, operations managers and compliance engineers from a wide range of companies that export or have operations in Europe.

They learned the latest on the directives, the impact on manufacturers and ways to comply with the requirements. Guest speakers included Ted Gaertner, product manager with KEMA in the Netherlands, a strategic partner of CSA International in Europe; and Al Warren, owner of Safety thru Design, Inc., a regulatory consulting and product safety and services practice.

Due to overwhelming interest and positive feedback, another seminar has been planned for the fall on the west coast. Visit <http://learningcentre.csa.ca> for details.

Keeping certifications current

Ever wonder how new standards or changes to existing standards may affect the certification status of your products?

Because hundreds of CSA clients may be affected in any given year, CSA systematically communicates these developments through two documents, published internally and distributed externally to companies manufacturing certified products affected by the changes.

CSA Informs describes new or revised requirements that do not require retesting or reevaluation of previously certified equipment. A *CSA Informs* update may also be issued to announce a new certification program. *CSA Informs* is for information and has an immediate effective date. However, no action is required unless initiated by clients who wish to take advantage of a service.

CSA Notices describe new or revised requirements that must be met to maintain CSA certification. All *CSA Notices* state an effective date by which products must comply. This date is set following a review with external stakeholders (clients, regulators, etc.) and in consideration of accreditation requirements that due diligence be exercised.

If you receive a *CSA Notice* update, review your product for compliance to the new requirements. If the product complies or the changes are not relevant to your product, notify your CSA contact. If the product is not in compliance, a revised sample of the previously certified product may need to be resubmitted to CSA for evaluation. Contact CSA to open a project to update your certification. Product certifications not updated by the announced effective dates are removed from the CSA Certified Products Listing.

CSA International's Service Quality group follows up on all *CSA Notices* to ensure certified products are in compliance with the applicable requirements on the effective date. This provides consistency in the market place as well as a level playing field for all certification clients.

CSA Reports Online

For the fourth consecutive year, CSA Group is delivering its annual report in an online format. Building on the success of last year's award winning report, the CSA Group Annual Report 2005/06 will allow the visitor a unique and enjoyable experience while providing all pertinent information in a clear and concise manner.

CSA Group invites you to review the 2005/06 annual report, available June 5, 2006 at www.csagroup-ar.org.

Upcoming EVENTS

2006 SPRING

Get Up to Code Quickly!

WATCH FOR 2006 TRAINING EVENTS ON THE NEW EDITION OF THE CE CODE!

- 2006 CE Code Essentials *
- Bonding & Grounding
- Communication Systems and EMI
- CEC/NEC - A Comparison of Requirements *
- Design, Installation and Maintenance of Electrical Equipment in Hazardous Locations

...and other Electrical Code related seminars



CSA Learning Centre offers seminars on the following topics:

The CSA Learning Centre offers convenient access to the combined training resources of the entire CSA Group.

- Lockout - Control of Hazardous Energy
- Electrical Safety for Professionals - Arc Flash (in collaboration with Schneider Electric) **NEW!**
- ESA Regulation 22/04 Electrical Distribution Safety training
- Seismic Reduction of OFCs - based on CSA S832,
- Health Care Facilities Training Series
- Principles of Risk Assessment - based on ISO 14121
- ADAPT! -Trainer's program: Customer Service for People with Disabilities **NEW!**
- Static Grounding **NEW!**
- Fall Protection Series
- CSA Z1000 Management System for Occupational Health and Safety - a series of breakfast workshops **NEW!**
- Safeguarding of Machinery (in collaboration with IAPA)
- Managing an Effective Lift Truck Program (in collaboration with IAPA)
- QMI - ISO 22000 Food Safety Management System Series*
- QMI - The ISO 9001:2000 Training Series *
- QMI - The OHSAS 18001 Training Series *
- QMI - The ISO 14001 Training Series *
- QMI - ISO 9001:2000 - Process Auditing *
- QMI - ISO 9001:2000 - Customer Satisfaction *

* available in French and English

For more information, or to register please call 416 747 4017 or 1 800 463 6727, email seminars@csa.ca or visit our Web site at <http://learningcentre.csa.ca>

CSA Annual Conference

To find out more about the Annual Conference, program and agenda, visit CSA's web site at www.csa.ca.



Conferences and Events:

April

21
KBIS
Chicago, IL

May

01
OTC Conference
Houston, TX

09
National HArduware Show
Las Vegas, NV

20
NRA 2006
Chicago, IL

30
Lightfair
Las Vegas, NV

June

05
Globalcomm
Chicago, IL

18-23
Annual Conference
and Committee Week,
Huntsville, ON

25
National Environmental
Health Assoc.
San Antonio, TX

August

15
IEEE
Portland, OR

September

17
OPIA
Brampton, ON

17-30
2006 ICC Annual Conference
and Code Development
Hearings
Lake Buena Vista, FL

28
ISH Expo 2006
Chicago, IL

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CSA International is a division of CSA Group which consists of CSA International, Canadian Standards Association, a developer of standards and codes, OnSpeX for consumer product evaluation services, QMI for management systems registration.

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