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Siemens Canada Internet

For the business and trade press

## Siemens Canada introduces VersiCharge SG; its first wifi-enabled, cloud-based electric vehicle charging station for residential use

Oakville, ON, May 16, 2016

Allows owners and utilities to manage usage with cloud and app connectivity

Siemens Canada introduces VersiCharge Smartgrid (SG), the company's first wifi-enabled electric vehicle (EV) charging station. VersiCharge SG allows residential owners to monitor and control usage remotely through a mobile or web app available for free download via App Store and Google Play Store. With this new technology an EV owner can automatically turn charging on or off, schedule charging when rates are lowest, and view past power consumption data including usage and cost for the first time in a graphical form.

The cloud-based charging station can also interact with utilities, receiving demand response and pricing signals so consumer can better shape and shift their charging experience. Utilities can offer programs that help manage the time and level of EV charging across the grid to increase grid reliability and efficiency while minimizing peak demand. This level of interaction will enable utilities to better understand the impact EVs have on power consumption market and will result in lower charging costs for the consumer.



"The Canadian EV market has great growth potential," said Faisal Kazi, Senior Vice President, Energy Management Division, Siemens Canada. "With the addition of the Versicharge SG to our portfolio, Siemens is supporting this emerging market with a competitive product allowing consumers flexible charging options to maximize energy efficiencies and at the same time giving utilities the option to manage load through this device."

By accessing the Siemens cloud, utilities can offer rate programs to EV owners to allow the consumer to charge at highly attractive rates while simultaneously allowing the utility to manage the loads on the grid. By shifting each EV charging event slightly in time or rate at which kilowatt hours are supplied to the EV, utilities can potentially reduce the peak demand on the grid, which in turn helps to reduce the total amount of generation needed. When the demand response functionality is enabled in the VersiCharge SG unit via the mobile or web-based app, utilities and energy aggregators have new opportunities to use EV technology as a valuable part of a distributed energy management strategy.

The VersiCharge SG can be installed indoors or outdoors via a plug-in option or hardwire installation. Siemens also offers an accessory pedestal that allows users to install units in locations where a wall mount is not possible.

The VersiCharge SG is part of the Siemens VersiCharge EV charging portfolio and offers the functionality that has been incorporated into the VersiCharge line of level 2 electric vehicle chargers since 2012: 30 Amps of charge at up to 7.2 kW charging rate with the standard J1772 connector interoperable with most EVs, the highest degree of safety with cULus certification, best in class outdoor rating (NEMA 4), and best-in-class 5mA CCID ground fault protection.

For further information please visit: [siemens.ca/versicharge](http://siemens.ca/versicharge)

### About Siemens in Canada

For more than 100 years Siemens Canada has stood for engineering excellence, innovation, quality and reliability. Siemens technology in the fields of electrification, automation and digitalization helps make real what matters to Canadians. From the Atlantic to Pacific oceans, more than 4,800 employees in Canada work together to deliver solutions for sustainable energy, intelligent infrastructure, healthcare, and the future of manufacturing. One of the world's largest producers of energy-efficient, resource-saving technologies, Siemens is a leading supplier of gas and steam turbines for power generation, a major provider of power transmission solutions and a pioneer in infrastructure solutions and automation, drive and software solutions for industry. The company is also a foremost provider of medical imaging equipment and a leader in laboratory diagnostics. Sales for Siemens Canada in fiscal 2015 (ended September 30), were \$3.0 billion CAD. The company has 46 offices and 15 production facilities across Canada.

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