"Open" Wins the Race to Big Data: New ASHRAE Standard Paves way for Web-centric Building Management Devices Like Triacta GATEWAY

ASHRAE, Project Haystack, and the Brick initiative unveil alliance to create industry standard for building information management — signals next stage in a 40 year path from expensive, closed building systems to open, accessible building information networks

Boston, MA – March 22, 2018 – ASHRAE, Project Haystack, and the Brick initiative have just unveiled an alliance to create a new industry standard (ASHRAE Standard 223P) that sets the stage for unlocking the power of a web-centric management model for building owners and property managers — and signals the next phase in a 40 year path from expensive, closed building systems to open, accessible building information networks. By integrating Haystack tagging and Brick data modeling concepts, the new standard will provide a dictionary of tags for the labelling of building data, enabling interoperability on semantic information across the building industry, and open up a whole new class of building management devices.

"A short while ago the only path for achieving comprehensive building management was to buy into a proprietary building automation system from one vendor," says Gord Echlin, VP Business Development, Triacta Power Solutions. "The new ASHRAE standard will allow the free flow of information from the instrumentation layer to the application layer and beyond for Big Data correlation — open for consumption by service agents in the cloud. It perfectly aligns with our product vision, and most specifically our new Triacta GATEWAY meter."

The benefits of such an approach for property managers and building owners are huge, including; making the right information available to the right people, at the right time; gaining unobstructed access to new and emerging energy management and building control applications (commensurate with the Big Data promise); vendor independence and consumer choice (no lock-in); plug and play replacement of components at any level; and future proof durable systems with software that can be remotely upgraded.

A New Class of Building Management Device

To take full advantage of this new "Open" world and the promise of data flow and access, a new class of devices that work within the complex framework of open systems, open protocols, multiple applications, and building instrumentation is emerging. These are devices that understand the language of the internet, have local data repositories for aggregation which are self-describing, include a level of edge computing, adhere to open semantic models, and can communicate securely via WAN or LAN or Building Automation network.

One such device is Triacta's new electrical multi-point submeter. *Triacta GATEWAY*™ will support the industry shift towards a web-centric, open marketplace of multi-vendor cloud services, while transforming building operations through easy and simultaneous transmission of meter data to multiple applications.

The *Triacta GATEWAY*™ meter features:

- Highly accurate, reliable and approved metrology ready for billing, energy management and M&V applications
- A flexible, modular architecture that can accommodate anywhere from 12 to 48 inputs in 12 input increments (electrical CT or pulse input) for measuring electricity and collecting water or natural gas meter information — all on the same device
- Meter multi-homing capabilities with cloud-based access for simultaneous communications with multiple cloud services
- Multi-communication capabilities to match any particular networking situation, from legacy building systems to IoT, along with built-in WIFI (client/access point), Ethernet and USB
- Two voltage references for use with multiple building transformers and voltages, reducing equipment needs and saving deployment costs
- A powerful Linux operating system for future proof platform development to meet current and future energy management and data acquisition needs

For more information about Triacta's new *GATEWAY*™ meters and data acquisition devices, visit them at GlobalCon (Booth #607) or contact Gord Echlin via email at gord.echlin@triacta.com or phone at 613.291.5580.

About Triacta
Triacta Power Solutions designs and manufactures high-end, revenue grade meters and data acquisition devices for energy management, tenant billing and building control applications. Triacta's PowerHawk meters and *Triacta GATEWAY*™ systems allow property managers and building owners to measure and store highly accurate building services information (electricity, gas, water) and easily share that information with any and all building systems simultaneously (BAS, IT, Financial, EMS) — on-premise or cloud-based — so all systems and all stakeholders get the information they need, when they need it.

Long known for its high-reliability, revenue-grade, multi-protocol sub-metering products, Triacta's meters have been easily and successfully deployed by sub-metering companies, property owners, building system integrators and local distribution companies since 2003.

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