



## **Perpetuum Joins ISA100 Wireless Compliance Institute**

Research Triangle Park, North Carolina, USA (23 January 2012) – The ISA100 Wireless Compliance Institute (ISA100 WCI) today announced that Perpetuum, a global leader in vibration energy harvesters, has joined ISA100 WCI as a supplier member.

“The benefits of wireless monitoring are rapidly becoming fully appreciated by users. The return on investment from the combination of improved monitoring of assets and processes with the low installation costs and flexibility of wireless, is causing a major rethink in how to improve plant reliability, safety and profitability,” said Roy Freeland, President, Perpetuum. “The key remaining issue is the right power source for wireless sensing to ensure reliability without costly repeated battery changes. As an innovator in vibration energy harvesting, Perpetuum supplies a practical ‘fit and forget’ solution certified for hazardous areas which is being chosen by major manufacturers globally. We have long been a supporter of the ISA100 standard and look forward to the growth of the market for vibration energy harvesting power solutions for wireless automation.”

Perpetuum designs and manufactures the world's leading vibration energy harvesters delivering life-long power for wireless technology. A vibration energy harvester is one critical component of a sophisticated system of components that are used to create a reliable maintenance free wireless solution.

“Perpetuum is helping propel the wireless automation industry forward by providing key enabling technology. The vibration harvesting solution converts otherwise lost energy into usable electrical energy for powering industrial wireless sensor nodes,” said Andre Ristaino, managing director of ISA100 WCI. “We look forward to working with them and helping the industry take advantage of the benefits the ISA100.11a wireless standard has to offer.”

### **About the ISA100 Standard**

The ISA100.11a industrial wireless sensor networking standard is the first in the ISA100 open family of standards, focusing on the needs of process industries. The ISA100 Wireless Compliant certification ensures that supplier companies deliver interoperable wireless products and provides users the freedom to choose best-of-breed ISA100.11a field devices from any supplier. As a result, automation engineers are able to create, modify, optimize, and scale wireless networks quickly at user sites. With ISA100, customers have a solution that is open, interoperable, scalable and reliable for their most critical applications. ISA100 technology is simple to deploy, reliable, and supports traditional and future applications. ISA100.11a-2011 received

committee approval in 2011 and formal ANSI approval in January 2012. Headed towards internationalization, in 2011 ISA100.11a-2011 was accepted as new work in IEC SC65C as a Publicly Available Specification (PAS) IEC 62734.

Planned additions to the ISA100 family of standards include support for backhaul functionality, factory automation, and other key-use cases. Details on the approved standard, the ISA100 roadmap, and use-case presentations are available at [www.isa100wci.org](http://www.isa100wci.org).

### **About Perpetuum**

Perpetuum ([www.perpetuum.com](http://www.perpetuum.com)) is an award-winning designer and manufacturer of the world's most powerful electro-magnetic Vibration Energy Harvesters, enabling the growth of Wireless Sensor Nodes by providing maintenance-free, fit and forget extended power solutions. Powerful, reliable, robust and hazardous-zone certified, the Perpetuum PMG is the leading choice of global OEM WSN manufacturers and Automation Leaders.

### **About the ISA100 Wireless Compliance Institute**

The ISA100 Wireless Compliance Institute (ISA100 WCI) is a non-profit industry organization providing users and developers with market awareness, educational information, technical support, and compliance for the ISA100 family of universal industrial wireless standards. The ISA100 WCI provides real world feedback from deployment of ISA100 devices and systems to ISA Standards Committees in order to foster rapid refinement and development of open industry standards for wireless applications. Institute members include end users, technology suppliers, research and development professionals, academia, and other industry consortia and standards bodies. Early members include Apprion, BP, Chevron, Chongqing University of Posts and Telecommunications, ExxonMobil, Fuji Electric, Gastronics, GE, Honeywell, Nivis, Procter & Gamble, R3 Sensors, Shell, Shengyang Institute of Automation, Yamatake and Yokogawa. More information about the ISA100 Wireless Compliance Institute can be found online at [www.isa100wci.org](http://www.isa100wci.org).

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