

## **Rainforest Automation Earns ZigBee® Smart Energy Certification for EMU™ In-Home Display**

- *EMU sets new industry price point*
- *Certified device uses Jennic JN5148 Wireless Microcontroller*

**Vancouver, BC & Sheffield, UK, December 8, 2009** – Rainforest Automation, a developer of residential energy management products, announced today that its **EMU™** Energy Monitoring Unit product has been awarded ZigBee® Smart Energy product certification. The **EMU™** is an In-Home Display that communicates directly with smart meters that have been equipped with ZigBee® Smart Energy wireless capability, and shows homeowners their energy consumption information in real time.

The ZigBee® Smart Energy public profile is the standard selected by the U.S. Department of Energy (DoE) in their Initial Smart Grid Interoperability Standards Framework for Home Area Network (HAN) device communications. This means that the **EMU™** conforms to the DoE standards for the hundreds of Smart Grid projects rolling out across the country.

“Not only does the **EMU™** meet the standard to communicate with smart meters in the U.S. Smart Grid, but it sets a new standard for affordability in the utility supply chain,” said Chris Tumpach, president of Rainforest Automation. “The EMU was Designed-To-Cost from the outset, which sets it apart from other products in the space, that need to be scaled down to meet utility budget constraints.”

One of the keys to meeting the **EMU™** requirements in terms of features, power consumption and price target was choosing the right partner. “Our development team worked very closely with Rainforest Automation to help them achieve this high level of soft and hardware integration” said Jim Lindop, CEO of Jennic, whose JN5148 Wireless Microcontroller was selected as the heart of the design. “The EMU is the first Smart Energy HAN device certified using the JN5148. It is a great example that demonstrates the value of using our fully integrated solution.” “We needed a partner that could support us throughout our development cycle,” said Chris Tumpach, “and Jennic’s excellent support team worked with us as if they were members of our own development team.”

The **EMU™** takes advantage of the extremely low power consumption of the JN5148, and is able to provide two years of normal use with a single set of AA batteries. This allows the **EMU™** to be placed in any convenient location, without being tied to an electrical outlet.

“NTS is pleased to have assisted Rainforest in getting their EMU Energy Monitoring Unit product certified for ZigBee Smart Energy,” commented Osman Sakr, Chief Technology Officer of NTS. “We are looking forward to helping Rainforest and other manufacturers bringing their products to market to assist consumers in the monitoring of their energy usage as part of the national smart grid.”

### **Availability and Pricing**

The **EMU™** is shipping now, and costs \$30 in quantities of 100,000 or more.

### **About Rainforest Automation**

Rainforest Automation Inc. makes products that allow utilities and homeowners to manage residential energy usage. From In-Home Displays (IHD), to Home Area Network (HAN) Gateways, to alternative Smart Grid communications, Rainforest makes innovative products that just work – and fit your budget. The company is based in Vancouver, BC. For more information, visit: [www.rainforestautomation.com](http://www.rainforestautomation.com).

## **About Jennic**

Jennic is a fabless semiconductor company leading the wireless connectivity revolution by providing wireless microcontrollers for a broad range of applications in the energy, environment, asset tracking and consumer markets. Products include state-of-the-art low power wireless microcontrollers, modules, development platforms, protocol, application software, focusing on IEEE802.15.4, ZigBee® and 6LoWPAN standards. Jennic provides first-class sales and support worldwide. For more information, visit [www.jennic.com](http://www.jennic.com).

## **About NTS**

National Technical Systems, Inc. is a leading provider of engineering and testing services to the defense, aerospace, telecommunications, automotive and high technology markets. Through a world-wide network of resources, NTS provides full life-cycle product integrity support, offering world class design engineering, compliance, testing, certification, quality registration and program management. For additional information about NTS, visit our website at [www.ntscorp.com](http://www.ntscorp.com) or call 800-794-0926.

## **ZigBee®: Control your world**

ZigBee® is the global wireless language connecting dramatically different devices to work together and enhance everyday life. The ZigBee® Alliance is a non-profit association of more than 300 member companies driving development of ZigBee® wireless technology. The Alliance promotes world-wide adoption of ZigBee® as the leading wirelessly networked, sensing and control standard for use in consumer electronics, energy, health care, home, commercial and industrial areas. For more information, visit: [www.zigbee.org](http://www.zigbee.org).

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