



**FOR IMMEDIATE RELEASE**

**dresden elektronik Teams Up with MeshNetics to Develop ZigBee-Based Building Automation Solution**

**Amsterdam, The Netherlands – September 23, 2008** – dresden elektronik ingenieurtechnik gmbh, an innovative European automation solutions provider, and MeshNetics, a leading provider of ZigBee modules and embedded software for OEMs and system integrators, announced today at the Metering Europe 2008 exhibition in Amsterdam, the Netherlands, the launch of a ZigBee-based building automation solution for homes, offices and industrial facilities. This new system – powered by MeshNetics' industry-leading ZigBit™ 802.15.4/ZigBee wireless modules – enables wireless lighting control, integration of electricity, gas and water meters, and more.

The new dresden elektronik automation system is on display at Stand H21 of the Metering Europe 2008 exhibition in Amsterdam on September 22 - 24, 2008. The versatile system consists of the following components:

- **Central Control: deFZ 3000** wireless control unit for remote control, monitoring and visualization of the network and data transmission;
- **Enabling Components for Building Automation: LS8** light switch unit and **LL1** light load controller
- **Automated Meter Reading Modules: HM1** heat meter and **DSI1** wireless digital sensor

The deFZ 3000 central wireless control unit coordinates the functioning of all devices in the home or factory network. The unit boasts a 3.5" color graphics LCD display and touch screen for easy access to network setup, maintenance, reconfiguration and other functions. Measurement values and historic data can be stored both locally and externally. Security functions with automatic alerts via SMS/GPRS are an option, while integrated web server allows remote control and visualization.

Enabling components for building automation include the LS8, a ZigBee-based light switch unit that facilitates wireless switching and dimming of the lights which can be used with 1, 2 or 4-key tops from a variety of manufacturers. The LL1, a mains-powered light load controller, can switch all 230V power components and make power consumption measurements – all while doubling as a router in the ZigBee wireless sensor network.

Smart metering is further simplified with the wireless digital sensor DSI1. This miniature device can be easily integrated with most of the electricity, water, gas and heat meters available on the market. The ZigBee-enabled DSI1 sensor device counts, accumulates and transmits impulses as delivered by metering outputs. In addition, dresden elektronik offers the HM1 heat meter, which measures heat consumption by continuously monitoring water inlet and outlet temperature and flow.

The new automation system from dresden elektronik ingenieurtechnik gmbh offers easy-to-use building blocks for automation of home, office, warehouse or industrial facilities. Considering the prohibitive cost of wiring, wireless solutions are now the preferred choice for building automation – especially since the recent arrival of the ZigBee open global standard has made possible a wide variety of standards-based, interoperable systems and solutions.

“In our search for a ZigBee technology provider, we have done a thorough review of a number of vendors,” said Dr. Eckhard Geißler, Director Engineering of dresden elektronik. “It became clear at the early stage that using ZigBee modules, as opposed to separate chipsets, would give us a significant advantage in terms of cutting both our development costs and time to market. MeshNetics' ZigBit modules emerged as the leaders in RF performance and compactness. MeshNetics' prowess in embedded software, along with the local engineering support made them an unbeatable choice.”

“We are proud to partner with dresden elektronik, an innovative provider of automation solutions,” added Thomas Lerm, VP & General Manager of MeshNetics GmbH. “Adoption of ZigBee technology is growing rapidly, connecting thousands of smart devices inside buildings. MeshNetics is a leading ZigBee House, and our goal is to facilitate this ‘Internet of Things’ revolution. We offer best-of-breed hardware and software components, backed by professional engineering services, to help manufacturers and system integrators to ZigBee-enable their products on time and on budget.”

MeshNetics’ ZigBit modules lead the industry in such important characteristics as operating range, form factor and power consumption. The easy-to-integrate ZigBit modules, shipped with ZigBee PRO Feature Set, enable OEMs to add wireless network connectivity to their products faster by eliminating the need for costly and time-consuming RF development and certification. MeshNetics ZigBee platform is widely used to create reliable, self-healing and scalable wireless networks that enable solutions in building automation, energy efficiency, HVAC, AMR, predictive maintenance, asset tracking, and other application areas.

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### **ZigBee: Wireless Control That Simply Works**

The ZigBee Alliance is an association of companies working together to enable reliable, cost effective, low-power, wirelessly networked monitoring and control products based on an open global standard. The ZigBee Alliance membership comprises technology providers and original equipment manufacturers worldwide. Membership is open to all.

Additional information can be found at [www.zigbee.org](http://www.zigbee.org).

### **About dresden elektronik**

dresden elektronik ingenieurtechnik gmbh is a full service provider for development, serial production and testing of industrial electronic devices and systems. The company offers a full range of hardware and software design, hardware prototyping and manufacturing services. dresden elektronik’s range of products comprises industrial control devices, products of wireless communication as well as controls for traffic light systems. The company’s highly qualified engineers and technicians have years of experience in embedded system development, testing and serial production. Due to high quality standards and close customer contacts, competitive, reliable and cost-effective products are always provided. For more information, please visit [www.dresden-elektronik.de](http://www.dresden-elektronik.de).

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### **About MeshNetics**

MeshNetics makes the industry’s highest performance IEEE802.15.4/ZigBee wireless modules with the best-in-class range, longest battery life, and the smallest footprint. MeshNetics is a single source of ZigBee modules, networking software, technical support, and design services. This combination of products and services achieves faster time-to-market and significant cost savings for OEMs and system integrators. MeshNetics products are used to create reliable, self-healing wireless networks that enable solutions in building automation, energy efficiency, HVAC, AMR, predictive maintenance, asset tracking and other application areas. For more information, please visit [www.meshnetics.com](http://www.meshnetics.com).

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