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MINDTECK LAUNCHES IGNITE^(sm) PLATFORM

Energy Management Solution increases efficiency and lowers cost

Bengaluru, India – February 19, 2015: In step with the Smart Cities India Initiative, global technology company Mindteck (India) Limited announced the official launch of IGNITE, its versatile Internet of Things (IoT) platform which can be used to build city scale IoT solutions, such as intelligent street lighting, smart parking, EV charging, automated energy/water meter reading, solar power generation monitoring, building energy management and many other smart city use cases.

As a speaker at a variety of industry gatherings in recent past, Mindteck's VP of Technology and R&D Head, Surjit Lahiri, indicated that Mindteck has already developed ready-to-use solutions for intelligent lighting and building energy management. His keynote address on *IoT Opportunities* at the Microchip Masters provided details on the current IoT opportunity ecosystem in India, the challenges of executing city scale IoT projects and solutions, of which *Ignite* was one. Surjit also presented a paper on *IoT for Smart Indian Cities of the Future* at the Indian Electronics and Semiconductor Association (IESA) and The Indus Entrepreneurs (TIE) jointly held "Smart Water – Power and Internet Public Utilities for the City of Tomorrow" event. He commented, "It is important that we share experiences between different cities. We need to collaborate, work closely and share lessons learned. These kind of events help boost momentum overall."

IGNITE can be easily integrated with devices to form specific smart city solutions. Its components include a multiprotocol wireless gateway, wireless load and luminaire controllers, wireless multi-sensor nodes and energy metering nodes, wireless network diagnostic modules, as well as cloud-based devices which monitor and control analytics and reporting.

IGNITE – a versatile, energy-saving IoT platform

- Scales from a small location to a larger one with thousands of devices
- Enables intelligent energy-saving control strategies, such as scheduling, occupancy, day lighting, task tuning and demand response
- Simple deployment and commissioning add to the time- and cost-savings
- User-friendly enterprise online software for energy usage reporting
- Robust and scalable ZigBee® wireless mesh network ensures reliable control

Mindteck's IGNITE Intelligent Lighting solution is suitable for outdoor street lighting as well as indoor lighting. Each light can be manually or programmatically turned on and off, or dimmed, from a remote central location via a ZigBee wireless network. When integrated with motion sensors, it offers even more operational flexibility. ROI is a 30-40% energy savings due to dimming and lower maintenance all around.

The IGNITE Energy Management System is designed to optimize HVAC energy consumption in office buildings and deliver at least 25% savings month-on-month. It functions with any type of HVAC and dynamically computes the necessary cooling energy via wireless occupancy monitoring, and multi-point

wireless temperature monitoring to suitably throttle the HVAC controls or shut the HVAC down as needed. This ensures an even temperature profile and optimized energy consumption.

Key features of IGNITE include:

Intelligent Lighting Control: *IGNITE delivers the industry's most comprehensive set of intelligent lighting control strategies – providing the right amount of light when and where needed, while improving occupant comfort. Built-in strategies and algorithms include scheduling, occupancy, day lighting, task tuning, demand response, personal control, energy management and more.*

Wireless Networking: *Mindteck's reliable ZigBee wireless mesh network eliminates costly wiring and maintenance, making the system easy to install, and efficient – reducing the cost of control by 50%. With wireless, control intelligence is freed from the restrictions of fixed electrical circuits.*

Open Standards: *IGNITE is the industry's open and interoperable wireless lighting controls platform; it works seamlessly with ZigBee devices and the growing community of third-party suppliers, resulting in expanded choice, lower cost and greater reliability than proprietary systems.*

Scalable, Enterprise-wide Management: *IGNITE easily scales to control and manage large enterprises from a single web interface. All strategies and settings are centrally managed online and changes can be applied to individual fixtures, zones, sites or multiple buildings with the click of a button.*

Powerful Software Interface: *IGNITE Manager provides intuitive, web-based access to in-depth energy reporting, zone and fixture controls, maintenance data and alerting, real-time optimization and more – all from any remote location.*

Flexible Configuration: *The IGNITE platform is highly configurable to meet the application and payback requirements of street lighting, multiple commercial buildings, office warehouse retrofits, highly granular high-rise tenant improvement projects and more.*

Controls Beyond Lighting: *IGNITE can uniquely draw on innovation in the ZigBee ecosystem to wirelessly manage plug loads, environment sensors, fans, thermostats and more – creating a single wireless building controls network that will grow over time.*

About Mindteck (India) Limited

Mindteck, a global technology company established in 1991, provides Product Engineering solutions and Information Technology services to top-tier Fortune 100 companies, start-ups, and government entities. Its depth of knowledge and niche expertise in embedded systems and enterprise applications is complemented by dedicated Centers of Excellence in wireless design and storage testing. The company has offices in the US, UK, Singapore, Malaysia, Netherlands, Germany, Bahrain and India. It also has four development centers: one each in the US and Singapore, and two in India (Kolkata and Bangalore). Mindteck is listed on the Bombay Stock Exchange (BSE 517344) and is among a select group of global companies appraised at Maturity Level 5, Version 1.3 of the CMMI Institute's Capability Maturity Model Integration (CMMI). For more information, please contact balika.hegde@mindteck.com. www.mindteck.com