

## **First Appliance Level Smart Meters Announced**

For immediate release.

Oxford, UK, 23<sup>rd</sup> October 2008 – Bye Bye Standby, leaders in the home energy management sector, launch BBS Professional, an Appliance Level Smart Meter and Management system aimed at medium / large companies. The system provides a meter-accurate, real-time display of individual employee energy consumption, air conditioning energy consumption, lighting energy consumption and their associated monthly costs. For the first time, this allows energy saving targets to be set and measured for individuals within a company simply and transparently.

Each of the 13 modules in the new range regularly reports back energy use and supply data to central analysis software. With a remotely operated switch built into each socket, an organisation can then centrally monitor the electrical equipment individuals within an organization are using, and manage that system by, for example, turning things off overnight when they are not being used. This generates an energy saving for the organisation that is estimated to be in excess of £50 per individual per year.

“If you want to improve it, you first have to measure it. Companies that can’t measure their energy use accurately to individual level are going to struggle with achieving visible reductions of that energy use.” said Darryl Mattocks, Managing Director of Bye Bye Standby. “Using BBS Professional you get an accurate measure of who in your organization is using what electricity and the cost of it in both carbon and money. This allows you to benchmark and then set targets for the coming quarter to reduce this and gives you precise tools to measure your progress.”

“Energy saving within organisations is often too impersonal as the only measure that the company really has to play with is the electricity bill from the utility. This generally includes everything being used within the entire company such as air conditioning and lighting. Trying, therefore, to reward individuals for their achievements is hard because the savings that they generate by, for example, turning off their PC at the end of that day, is lost in the grander scheme of things. Using BBS Professional, staff can see exactly how much the electricity cost last month, what their target is this month and how they are doing with their own individual contribution. If they turn their PC off overnight, they will see the savings in the reports and can take ownership of those savings.

BBS Professional is the first Appliance Level Smart Meter solution to use the new Zigbee standard of wireless communication. Backed by an industry consortium including Motorola, Philips, Siemens and Texas Instruments, Zigbee allows each BBS Professional module in a company to wirelessly relay messages back to the central server software for analysis. If one unit is too far from the central system then the BBS Professional modules work together to relay the information from socket to socket back to the central server. This gives a reliable, 100% coverage of a building in a fault tolerant manner, overcoming some of the issues that older radio technology systems sometimes experience. Messages

between the BBS Professional units and the server are encrypted using the same level of encryption that is used to protect online credit card data meaning that the system is secure enough to be used in even the most demanding of environments.

BBS Professional comprises of 13 different units that range in function from simple to install, plug in sockets to wired in air conditioning monitoring units. All modules in the range report back to centralized analysis and management software called BBS Energy Manager, which allows integrated reporting, management and analysis functions on individual, departmental or a company wide basis.

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