

The Power of Bert® Measurement

The Bert® Plug Load Management System now allows real-time measurement and analysis of actual energy use at the plug level. With our comprehensive reporting system, facilities/energy managers have an unprecedented ability to measure, analyze and control plug-based load throughout the enterprise.



Measure energy use with Bert's real-time measurement features.



Analyze energy use, establishing optimal schedules and documenting savings.



Control plug based devices throughout your facility.

How Bert® Helps Control and Manage Plug Load

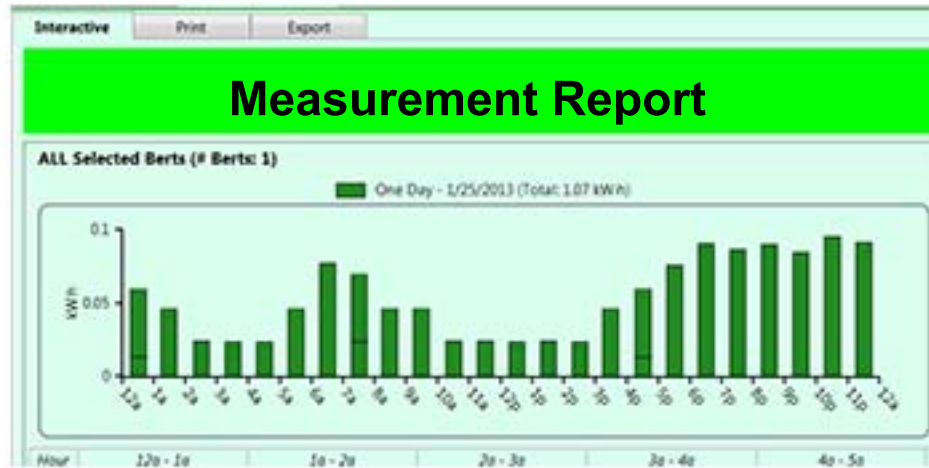
Bert® helps you achieve peak performance, making sure that equipment is available when it's needed and 'off' when it's not. Most facilities are unoccupied more hours than they are occupied. With plug based load accounting for an increasing amount of energy consumption, effective plug load management is important for any facility or energy manager. Since Bert® leverages your existing Wi Fi infrastructure you have the power to quickly and easily schedule devices, continuously measure energy use, and alter on/off schedules based on changing work schedules.



Bert® helps facilities managers know how much energy devices are using, so they can create the best schedules for their facilities.

Measure: Creating Savings Benchmarks:

The combination of the Bertbrain® measurement software and a measurement-enabled Bert® allows the creation of a savings benchmark with the actual energy use of all your plug load devices both individually and in user-defined groups. To create a savings benchmark, simply plug your device into a measurement-enabled Bert® and keep it in an 'always on' mode during the benchmark period. You determine the appropriate benchmark period- day, week, month, etc. Once your benchmark period is complete, run a report of monthly, weekly and hourly energy use.



Control: Creating Optimal On/Off Schedules

Once you have analyzed your actual energy use in the context of your facility's operation schedule, you are ready to create on/off schedules for each Bert®. Schedules can be applied to individual devices, or groups of similar devices. For example, you may choose to group devices within a particular building or you may choose to group similar devices (such as water coolers or LCD displays). You can even schedule Bert® by events such as holidays or load shedding. Since the schedules and energy usage are based on the usage of your specific equipment in its actual environment, you can create control schedules that optimize savings.

Analyze: Energy Use Reporting

The Bert® Plug Load System includes a full reporting database that allows you to capture and analyze historical usage of power by hour, day, month, year or any user defined period. Plug load consumption can be measured and analyzed by device, i.e. individual water cooler, all water coolers, or just water coolers in a particular building or even by location such as floor, building(s) or a specific type of building such as elementary schools. Since all of the energy usage is collected by the Bert® and stored in our Bertbrain® software application, historical comparison of plug load can be viewed by hour, day, week, month, or year. Bert® can also be used as a data logger to establish the base level of plug load consumption for savings calculations and even investment grade audits. Measuring and verifying energy savings for performance management contracts is now a simple task that can even be done remotely.

