BERT® ANALYSIS (BERTBRAIN)

STANDARD SOFTWARE - RUNS ON SERVER
ENERGY USAGE DATABASE AND REPORTING SYSTEM

ADMINISTRATIVE DASHBOARD

BERT ANALYSIS includes an administrative dashboard and an energy usage reporting system. Real-time measurement data and on/off status for each plug load device is continuously displayed. Devices are named, grouped and scheduled from the Bert UI. Each copy of software supports up to 1,000 Berts.
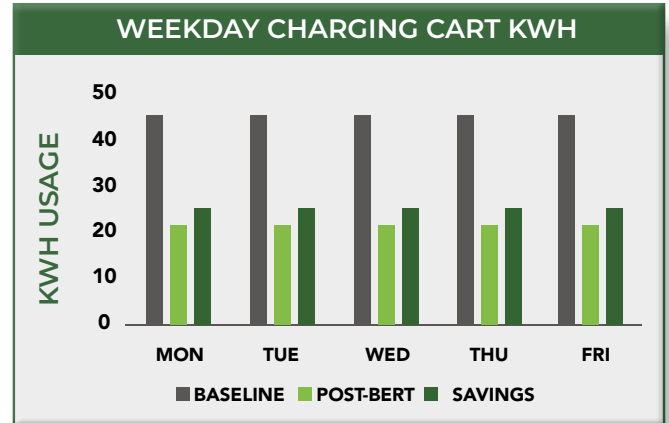
FLEXIBLE GROUPING STRUCTURE

The foundation for Bert's robust scheduling and reporting functionality is the flexible grouping structure. Customers create unique grouping structures that support their specific operating and reporting requirements.

Group controls allow users to manage multiple Berts simultaneously, eliminating the need to individually manage units. Devices can exist in multiple groups at the same time so one set of groups is defined for scheduling purposes, while another set is used for reporting, and another for load shedding events.

SAMPLE SCHOOL DISTRICT GROUPS	
DIVISIONS/BUILDINGS	**DEVICE TYPES**
Elementary Schools	Charging Carts
Adams ES	Printers
Jefferson ES	Projectors
Newton MS	Vending Machines

In the above grouping structure, a printer located at Adams is grouped in the Adams ES group, which is part of the Elementary Schools group, and in the Printer group.

The printer operates using the schedule created for Adams ES, while printer energy usage data appears in reports run for any of the following groups: District, Elementary Schools, Adams ES or Printers.

WEEKDAY CHARGING CART KWH

Y-axis: KWH USAGE (0, 10, 20, 30, 40, 50)
X-axis: MON, TUE, WED, THU, FRI
Legend: BASELINE, POST-BERT, SAVINGS

HISTORICAL DATA ANALYSIS

Historical measurement data is available for individual devices, groups of devices, groups of buildings, areas within a building or for all devices/all buildings. Data is retained indefinitely.

Select the devices, groups or buildings to analyze and pick up to three periods to compare. Reports are available by hour, day, week, month, year or user-defined period. Reports can be viewed, printed or exported to a .csv file for additional analysis.

DETAILED EVENT LOG

Information about network connectivity and on/off states is available for individual Berts, groups or buildings, providing an audit trail for schedule changes. This makes it easy to verify schedule changes and resolve energy savings discrepancies.

Date/Time	Power	Event
9/14/2016 5:42 PM	"	**START REPORTING PERIOD
9/14/2016 5:44 PM	-	BERT Detected
9/14/2016 5:44 PM	"	BERT Communicating
9/14/2016 5:44 PM	"	BERT IP Address Change
9/14/2016 5:44 PM	ON	Power ON

Server Software