

# BERT® MEASUREMENT

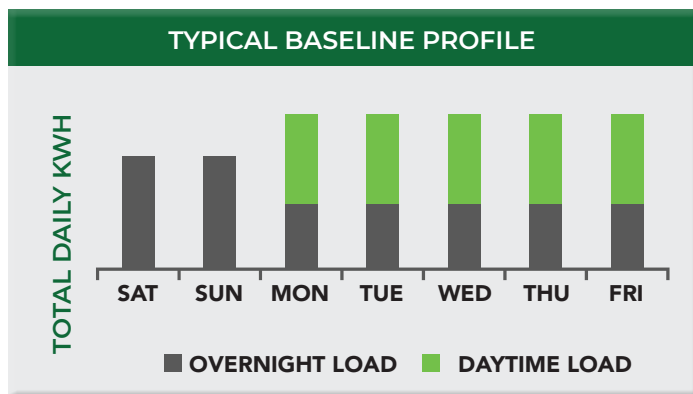
STANDARD SOFTWARE

REAL-TIME PLUG LOAD MEASUREMENT DATA



## BERT SPEAKS PLUG LOAD

Bert provides immediate visibility into device usage and energy consumption patterns by measuring energy data from plug and hardwired loads.



For the first time, it's easy to see how much energy is consumed during non-operational hours. For many commercial buildings, almost 40% of plug load expense occurs when the building is empty.

## REAL-TIME MEASUREMENT DATA

Berts regularly send measurement data, including watts, volts and amps, using the existing Wi-Fi network. The time-frame between updates is configurable, anywhere from 1 to 999 seconds. The default value is 30 seconds.

This data is stored indefinitely on the Bert Server or the building automation system. It can be viewed from the UI.

## EASILY ESTABLISH BASELINE LOADS

To establish the Baseline Load, run the Berts without schedules for a minimum of 2 to 4 weeks.

Once all of the data has been collected, view or print totals by building and/or device type.

## AUTOMATIC DATA REDUNDANCY

Hourly measurement data is also stored locally on the Bert in a rolling 14-day log, providing data backup if the wireless network goes down. Stored measurement data is automatically uploaded from the Bert to the server when communications are restored. The data log is also used to collect off-line measurement data during Investment Grade Audits.

## MEASUREMENT AND VERIFICATION

Regardless of the M&V method selected, Bert provides continuous detailed measurement data. Both per-retrofit baseline and post-retrofit data is maintained at the device, group, building and project level, making M&V straightforward and cost effective.

## BUILDING SYSTEM INTEGRATION

**BERT CONNECT**, Bert's BACnet/IP BAS Gateway, lets building automation systems manage devices and view building data from miscellaneous loads throughout the facility.

Name	Current Power State	POWER OFF	POWER ON	Schedule
Adams-MainOff-Copier	ON Power 59.29W	POWER OFF	POWER ON	Scheduled
Adams-100-Projector	ON Power 8.07W	POWER OFF	POWER ON	Scheduled
Adams-Cym-SodaVend	ON Power 373.64W	POWER OFF	POWER ON	Scheduled
Adams-Media-MedPrint	ON Power 41.81W	POWER OFF	POWER ON	Scheduled
Adams-200-ACUnit	ON Power 9.25W	POWER OFF	POWER ON	Scheduled
Adams-200-ACUnit2	ON Power 8.02W	POWER OFF	POWER ON	Scheduled