

BERT® MEASUREMENT

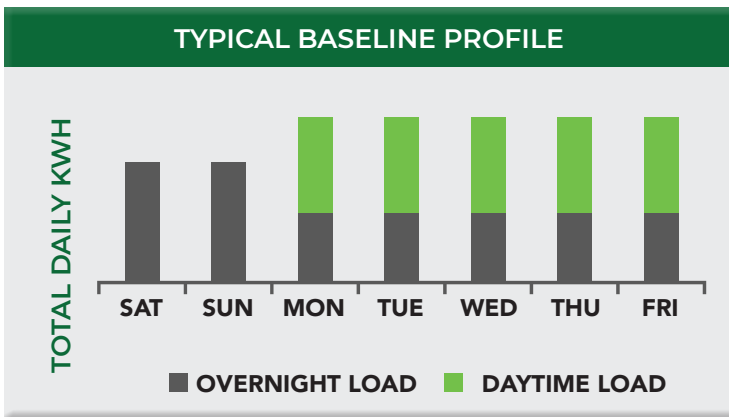
STANDARD SOFTWARE

REAL-TIME PLUG LOAD MEASUREMENT DATA



BERT SPEAKS PLUG LOAD

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



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

To establish the baseline, Berts run without schedules for at least 2-4 weeks. Hourly measurement data is collected from each device and totaled by building and device type.

REAL-TIME MEASUREMENT DATA

Measurement data (watts, volts and amps) is sent to the server over the existing Wi-Fi network. Measurement data update frequency is configurable from 1 to 999 seconds, with a default value of 30 seconds. Data is stored indefinitely on the server and can be viewed from the server UI.

AUTOMATIC DATA REDUNDANCY

Hourly measurement data is also stored locally 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 offline measurement data during Investment Grade Audits.

MEASUREMENT AND VERIFICATION

Regardless of the Measurement and Verification method selected, Bert provides the continuous detailed measurement data needed for M&V. Both pre-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-Proj	ON Power 8.07W	POWER OFF	POWER ON	Scheduled
Adams-Gym-Sodavend	ON Power 373.64W	POWER OFF	POWER ON	Scheduled
Adams-Media-Chargecart	ON Power 41.81W	POWER OFF	POWER ON	Scheduled
Adams-Media-Medprint	ON Power 9.25W	POWER OFF	POWER ON	Scheduled
Adams-200-Acunit	ON Power 8.02W	POWER OFF	POWER ON	Scheduled

Meet BERT Your energy control freak.



All Plug and Hardwired Loads