



Use Case | Resource Monitoring for Resorts and Hospitality

Reduce costs, protect critical areas, and quantify sustainability practices.

Overview

From air conditioning to laundry facilities, hotels and resorts consume large amounts of energy and water. Often, these costs can be magnified given their remote locations with reliance on expensive power generation facilities. Buddy Ohm can help operations managers better understand their resource consumption, uncover inefficient and leaky systems and ease portfolio-wide reporting needs.

Key considerations for resort facilities, administrative, and supporting staff:

- Utilities are a tremendous expense in the hospitality industry, upwards of 20% of operating expenses
- Utility measurement can be limited to one meter for the entire facility. That means no visibility into how each building or business unit is consuming resources
- If sub-metering exists, most often data is limited to historical monthly consumption through the utility bill
- Older resorts may have aging systems that are less efficient than modern equipment. But without the ability to isolate and baseline these systems it's difficult to determine by how much
- Resorts have a variety of sensitive areas that require consistent temperature for safety and compliance, including server rooms, food preparation spaces, and storage and serving facilities.



Goals

- Gain deeper visibility into actual utility usage and environmental conditions as they happen to find opportunities for savings and ensure people and systems are safe
- Baseline expensive and high consuming equipment to determine efficiency, plan upgrades, and troubleshoot issues
- Quantify sustainability practices to motivate staff, determine program effectiveness, and attract new clientele.

Ohm Solutions

- Ohm Sense wireless temperature and humidity sensors can ensure guest comfort in common areas, conference rooms, and guest rooms. They also can verify that HVAC scheduling and settings are programmed to only condition areas that need it, when they need it
- Use wired Ohm Sense temperature sensors to monitor refrigerator and freezer temperatures, with alerts if temps deviate from desired settings
- Use electrical sensors to baseline key systems like HVAC, water pumps and other high consumers to better understand their impact to the total building profile, and baseline for equipment upgrade and replacement planning
- Easily install wireless Ohm Sense units to monitor temperature and humidity in computer server facilities across the property, and get alerted when dangerous conditions arise
- Install electrical current transformer (CT) sensors to essentially sub-meter panels for monitoring individual circuits, systems, zones, or the entire building envelope
- Monitor irrigation systems to catch valve problems or line breaks, reducing waste and damage to landscaped areas
- Connect pipes, drip pans, and basements with leak detecting strips to catch issues before widespread damage is done.

Ohm Advantages

- Cellular connectivity from gateway to cloud
- Wireless connectivity for remote sensors
- Easy installation – no new cabling
- No disruption to existing network and systems
- Easy-to-use portal and dashboard experiences

Ohm Outcomes

Conserve utilities, save costs

Given the high cost of utilities, and high consumption in the resort and hospitality industry, every inefficiency mitigated is a potential savings opportunity. Buddy Ohm's real-time utility monitoring provides a closed feedback loop between guest and staff action, and consumption. Historically, gaining this insight has been expensive, hard to install, and a challenge to manage. Start small with critical systems, and grow to include more and more of the facility to gain total visibility and make a plan for savings.

Use sustainability successes as a marketing opportunity

Saving natural resources not only makes sense from an operational and business standpoint, it's rapidly becoming a differentiator between properties, and an attractive element for environmentally conscious clientele. Using Buddy Ohm to quantify sustainability efforts helps ease the internal reporting burden of these programs, and exposes real-time feedback to staff and guests through engaging dashboards in common areas.

A facility wide view of utility usage

Often sprawling across a wide geographic area, resorts and hotels can be challenging to gain an all up view of utility usage. Installing Buddy Ohm across the property is non-invasive to existing building systems and networks, and can instantly provide an aggregate and individual view of resources across monitored facilities. Buildings can even be in different cities, to gain a portfolio wide view of usage, savings, and environmental conditions.

Guest, staff, and infrastructure safety first

When premium experiences are the primary business, a broad mix of people, facilities, and systems are required to deliver on this promise. Real-time resource and environmental monitoring from Buddy Ohm delivers a transparent look into the performance and safety of the facility, identifying areas for improvement, and providing piece of mind that critical systems and areas are functioning properly.