

VERDANT

Verdant Energy Management Solutions

Trusted and installed by thousands of hotels, multifamily buildings and other commercial facilities, Verdant's energy management thermostats combine smart occupancy sensors with patented software to reduce energy consumption while maintaining guest comfort.

The
Landmark
LONDON





ABOUT

The Landmark London Hotel

The Landmark London began its story in 1899 as one of London's original Victorian era railway hotels. Today it is a leading Five Red Star hotel bringing sophistication and serenity to the very heart of London.

"In Five Star hospitality our main focus is guest comfort and ensuring we provide the service expected in the luxury sector. Finding a system that not only does this but also saves a significant amount of energy is extremely difficult. Then we conducted a trial with Verdant and the decision was easy. Because unlike other systems, Verdant is designed with our guests as the priority."

Bob Horsefield - Chief Engineer

The Landmark London captures attention immediately with a vast, airy courtyard unfolding beneath a glass atrium eight stories high. Potted palm trees soar up into the sunlight filling the space while some 300 luxury rooms and suites provide peaceful haven.

But maintaining comfort in historic, celebrated buildings often means dealing with highly uncomfortable energy bills. Reducing these costs and meeting today's ESG mandates—is a critical challenge for The Landmark London.

Lowering energy costs within the context of a beloved historic structure is always difficult. But The Landmark London could not allow anything to threaten their ability to deliver a consistent 5-star guest experience along the way.

So The Landmark London Hotel partnered with Verdant for an Energy Savings Test program.

Verdant smart thermostats were installed in ten rooms. But this was no ordinary retrofit. Because there were no disruptions to guests or operations. No breaking walls, snaking wires or installing repeaters. Our proprietary technology utilizes radio frequencies instead of WIFI—making it quick and easy to install in even the most prestigious historic properties.

Once installed, each Verdant smart thermostat manages its own room's comfort and energy utilizing Intelligent Setbacks. It's a sort of balancing act. And it's all performed automatically. First the thermostat measures the room's unique heating or cooling rate. Then it determines how far the temperature can drift and still return to the original setting quickly enough that occupants never notice. The power to control that balance is maintained by the property, so The Landmark London can make tweaks as needed.

The pilot was a big success for The Landmark London. And based on their results, are installing the Verdant system throughout their hotel.

At a glance

Average HVAC Runtime Reduction.....31%

Payback Period.....13 Months

Projected Annual Savings.....£91,064

Projected 10-Year Savings.....£1,118,819

See for yourself how Verdant technology can perform for you. It all starts by scheduling a Verdant Energy Management pilot program for your property.

On average, hotel guestrooms are unoccupied more than 60% of the time, even when rented, wasting energy heating and cooling empty rooms, and unnecessarily inflating electricity costs.

That's where we come in. Our smart thermostats solve this problem by using advanced occupancy sensing technology to continuously scan the room for motion and body heat.

When guests are present, they're given full control over room temperature. When guests leave the room, Verdant thermostats enter 'setback mode', allowing room temperatures to drift naturally by a few degrees, reducing HVAC runtimes by 45% on average.

Installing the Verdant energy management system is simple. Property staff can easily install our smart thermostats in less than 10 minutes per room.

The units then start communicating with each other wirelessly, creating a 100% wireless network that can be used by our energy experts to manage your network.

Verdant's proprietary communication protocol leverages low frequency radio waves that easily penetrate thick walls and cover long distances, eliminating the need for additional networking equipment and keeping your WIFI network free of any interference.

Most properties achieve significant annual savings on their utility bills, and a payback period between 12-18 months.* That's thousands of pounds back in your pocket every year. It's also a significant boost to your property's overall value. That's because every pound saved in electricity costs increases the resale value of your property by 13X**, generating an incredible return on invested capital. Very few investment opportunities will offer so much upside in such a short time.

Optimal Savings

Optimizes settings in real time, ensuring you get the maximum energy savings possible.

Fully Automated

Automates guestroom HVAC energy management at your property, with minimal involvement from your staff.

Self-Installs

Your staff can self-install each thermostat in less than 20 minutes.

Compatibility

Verdant thermostats are compatible with most VRF/VRV, VTACS, split units and fan coil systems.

Quick Payback

Cuts room HVAC runtimes by 45% on average*, and typically pays for itself in 12-24 months*.



*Actual savings may vary according to utility cost, climate, available rebates, and other variables

**Enterprise Value Multiples by Sector http://pages.stern.nyu.edu/~adamodar/New_Home_Page/datafile/vebitda.html

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