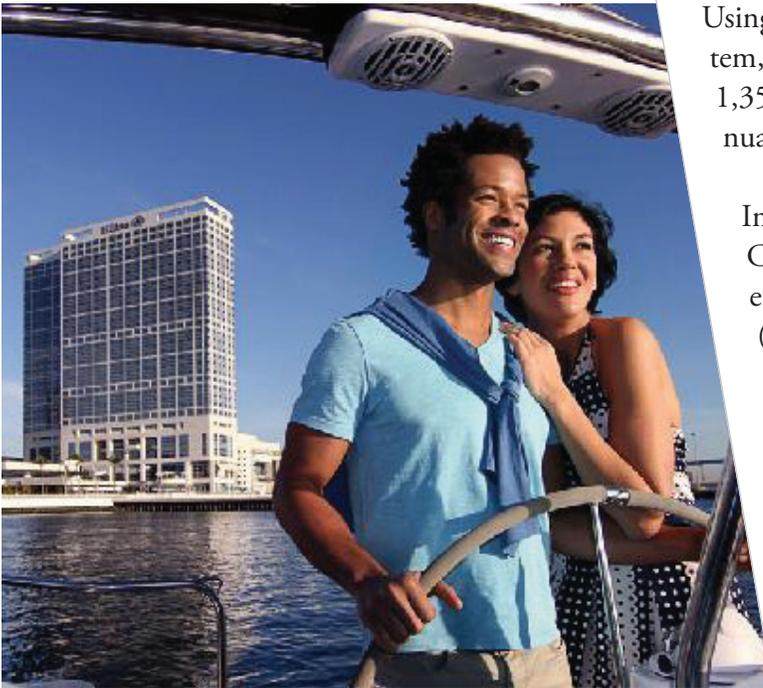


Case Study

HILTON SAN DIEGO BAYFRONT

When Hilton San Diego Bayfront wanted to upgrade its energy profile, it turned to long-time partner INNCOM by Honeywell for a solution.



Using INNCOM's leading-edge Energy Management System, the Bayfront cut heating/cooling energy use by nearly 1,350,000 kWh per year. This added nearly \$65,000 annually to the bottom line.

In 2014, the Hilton San Diego Bayfront Convention Center determined to enhance its energy-savings efforts by improving its Energy Management System (EMS). Hilton properties have a long history of embracing sustainability and the Bayfront is no exception; it has won numerous awards for its environmental efforts, including the California Green Lodging Leadership Level and a 5 Green Key rating from Green Key Global. Owner Sunstone Hotel Investors knows that saving energy is like money in the bank (some estimates show that \$1 in savings is worth \$10 in property value). So when the Bayfront decided to ramp up its sustainability efforts, it turned to INNCOM for assistance.

INNCOM and Hilton brands have profitably partnered on many properties over many years, including installation of INNCOM e528 direct digital control thermostats during construction of the San Diego Bayfront property.

The Bayfront knew already that it could access INNCOM's industry-leading technologies to improve its energy profile.



Hilton San Diego Bayfront's own 2012 analysis of the energy savings from the upgrade proved the worth of the effort. Per room usage for heating and cooling (in kWh) dropped by slightly over 50%; per site, this translates to a savings of 1.3 million kWh annually, enough to power 142 typical homes.

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The Bayfront knew already that it could access INNCOM's industry-leading technologies to improve its energy profile. Together, they mapped out a plan to replace existing thermostats with battery-powered e529 thermostats, updated occupancy sensors, and HVAC controllers, all connected by a robust Deep Mesh RF network and overseen by an INNCOM INNcontrol 3 (IC3) real-time reporting server integrated with Hilton's OnQueue Property Management System (PMS). Using the e529s and RF technology reduced installation costs and future maintenance expenditures, since wiring is minimal, while the redundant, robust Deep Mesh network improves communication reliability.

The system saves energy by keeping guests comfortable when in residence, then expanding the temperature band when sensing that the rooms are unoccupied (returning to the comfort zone on guest detection). Greater savings are achieved by offering different temperature settings for rented/occupied, rented/unoccupied, unrented/occupied (e.g., by Housekeeping), and unrented/unoccupied status. The tight integration between IC3 and the PMS makes that differentiation both easy and effective. IC3 also provides real-time room and equipment status reporting, allowing Hilton Bayfront personnel to proactively diagnose and resolve any problems.

Hilton San Diego Bayfront's own 2012 analysis of the energy savings from the upgrade proved the worth of the effort. Per room usage for heating and cooling (in kWh) dropped by slightly over 50%; per site, this translates to a savings of 1.3 million kWh annually, enough to power 142 typical homes. Financially, the Hilton Bayfront initiative added almost \$65,000 (\$51.60 room/year) to the bottom line. Whether enhancing "green" status or increasing property value, Hilton's pairing with INNCOM by Honeywell has proven a winner.