

Building management

Application: four- and five-star hotels

Manage hotel energy consumption according to guestroom occupancy

“ My hotel’s occupancy rates fluctuate depending on the time of year, something that is not reflected in my energy costs. I want a system that will help me keep costs in line with occupancy and boost my hotel’s profitability. ”

Integrate **guestroom management** into your hotel’s reservation system

Your hotel’s Property Management System (PMS) handles reservations, but it can also provide information about the status of each room: rented, rented and unoccupied, or rented and occupied. When the PMS and the guestroom management system interface, this information can be used to optimize room management and even save guest preferences for automatic customization of settings when the guest checks in.

Schneider Electric offers both guestroom management systems and complete building management systems, and delivers the expertise needed to integrate these systems into third-party Property Management Systems like Micros Fidelio and Opera.

Information concerning functions like temperature, lighting and electricity—managed at room level—can be monitored and controlled in line with information from the Property Management System, for instance:

- Unrented: Room is in economy mode. Room lights are turned off. Room heating or air conditioning is automatically lowered. Window blinds and ventilation are set to maintain optimal conditions while the room is unoccupied.
- Rented and unoccupied: Room is in pre-comfort mode. Temperature and air quality can be automatically set to a position closer to comfort mode.
- Rented and occupied: All room settings can be adjusted by the guest.

Solution

Benefits



For the user



> Reduce energy use by more than **20%**

> Opt for simple guestroom management (to lower heating or air conditioning while guests are away from their rooms) for savings of **10%**; add advanced management of unrented rooms for an additional 10% savings

> **Guests retain control of their environment while in their rooms for total comfort and ease of use**

For professionals

+ Simple communication between the systems via a gateway ensures easy implementation and integration

Measure

Reduce energy consumption

Reduce energy costs



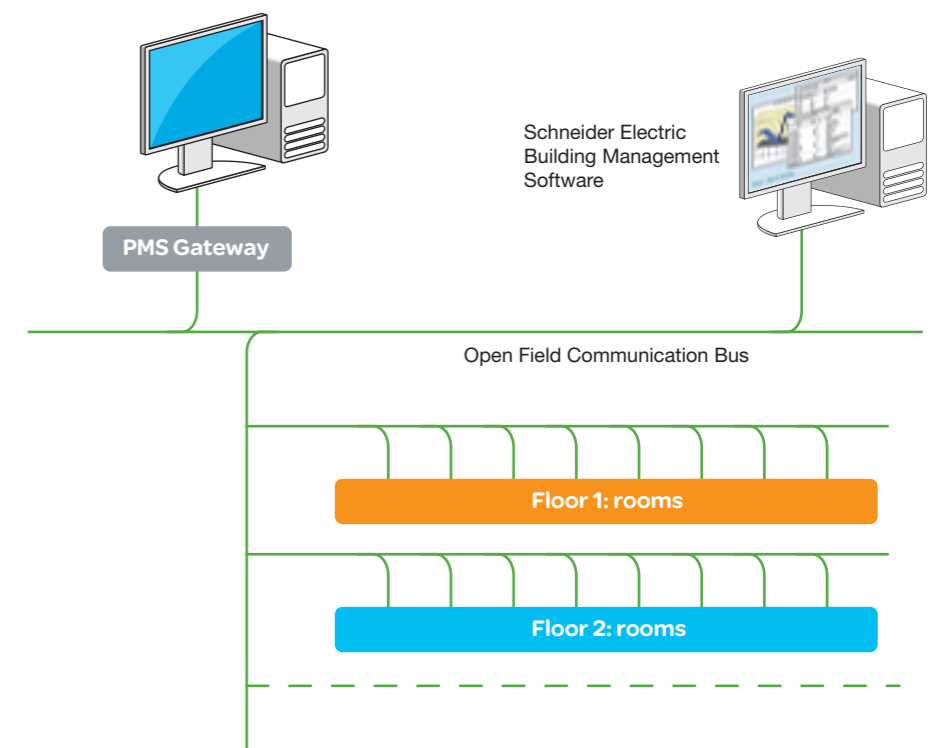
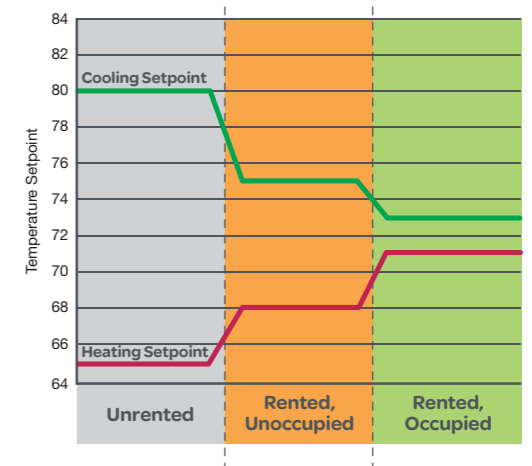
Projects

Hilton Americas-Houston becomes one of the world’s most energy-efficient hotels

For this 24-story facility with 1,200 guest rooms and over 91,000 square feet (8,450 m²) of meeting space, Schneider Electric provided a comprehensive Andover Continuum™ building management system with a unique, energy-saving guest room control sequence.

Hilton Copenhagen Airport automates HVAC according to guest check-in and check-out

For this five-star, 382-room hotel, Schneider Electric focused on finding a practical way to key the HVAC system to guest arrivals and departures. The solution used a LonWorks®-based TAC Vista™ system and integrated HVAC control with the hotel’s booking system to trigger heating and cooling adjustments when guests check in and out.



Schneider Electric’s open Building Management System line-up

featuring Andover Continuum™ and TAC Vista™ enables full integration of all hotel equipment, providing a central point of control and communication with third-party systems

