

Case Study

DoubleTree by Hilton Hotel Saves 13.4% in Electricity

MARKET REQUIREMENTS

DoubleTree by Hilton is an American hotel chain and a part of Hilton Worldwide. The DoubleTree Košice hotel has 170 comfortable rooms, including 10 suites, and over 1200 m² of flexible meeting and event space. It was renovated in 2008 and was quality rewarded with several prestigious awards.

As is common in the hotel industry, electricity bills are a major operational expense for hotel owners. The high expense is a compound result of the 24/7 operation, unlimited use of energy by hotel's guests, high electricity demand in the restaurants, laundry machines, lighting, HVAC and much more. The Hotel's management was in search of an effective energy saving solution.

SOLUTION

Following an evaluation of varied options, PowerSines' advanced energy saving products were elected as the leading solution to achieve the required reduction in energy use.

Several PowerSines ComEC VS units, models 125A - 250A, were deployed throughout the large facility, by PowerSines distributor ENERGY Control Systems (ECS), s.r.o. Installation and commissioning was rapid and with minimal disruption to ongoing hotel activities.

RESULTS

The ComEC VS units achieved direct and continuous saving of electricity in the range of 12.7% - 14.1% in all locations.

In addition to the direct energy saving achieved, the PowerSines products also provide indirect savings by extending the electrical equipment's lifetime and reducing the ongoing maintenance costs.

Combined with the consumption reduction and efficient energy use, the ComEC VS yields valuable reduction of CO₂ emissions, contributing to a better environment.

Mr. Martin Matějka, Director of ECS, stated: "We are very content with the significant reduction that the DoubleTree by Hilton Hotel Košice observes in their energy bills since the PowerSines products were installed throughout the hotel facilities. This rapidly proved to be a very cost effective solution."

Consistent, average saving of
13.4% in electricity expenses
by installed units at the hotel

Increased equipment lifetime
& reduced maintenance costs

Reduction of CO₂ emissions

Simple, seamless installation

