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Energy | Equipment Control

Timers On Leisure Centre Water Features Saves €12,400 Per Annum

RADISSON BLU HOTEL AND SPA - CORK

Description of Property
The Radisson Blu Hotel & Spa, located in Little Island, Co Cork, is a 4 star property with 129 luxury rooms and suites. Facilities include leisure centre, restaurant, bar, nine meeting rooms and a ballroom. It has been a member of the Green Hospitality Programme since 2008 and has achieved a Gold Green Hospitality Award. The hotel was awarded an SEAI Award for Energy management in 2010.

Project Description
As part of the hotel's environmental management programme, water features in the leisure centre pool area were identified as a significant electricity user. The swimming pool has 16 different water features, all of which were wired to turn on when the leisure centre was open. This resulted in all water features having a running time of 5,000 hours per annum. The water features have a combined electrical rating of 41kW. The estimated annual use of electricity for these features was 205,000kWhr, which at an average cost of 12c per kWhr, was costing the hotel €24,600 per year in electricity costs.

To reduce the operational time of the water features, management installed push-button timers, which guests now press to activate the water features.

The Results
Management estimate that the running time of the water features has been halved. The installation of the push buttons cost €8,500 and has delivered an estimated savings of over €12,300/ annum on reduced electricity costs. The payback period for this project was 8 months.

We have found that the pool is actually a much more relaxing place now that the features are only on demand. In the past the noise levels were quite high and since the installation we have received nothing but positive feedback.

Andrew Mullen - CHIEF ENGINEER AND ENERGY MANAGER

Source Details:
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