

case study



Honeywell's Attune™ Advisory Services helps J.W. Marriott Hotel to improve energy and operational efficiency

One of the most renowned hotels and an existing customer of Honeywell "J.W. Marriott Hotel" wanted to reduce total utility operation cost by improving energy and operational efficiency of its facility. Honeywell Building Solutions is

helping J.W. Marriott achieve these objectives by implementing the "Attune Operation Solution".

Honeywell

JW Marriott Hotels

The Customer

JW Marriott Hotels is one of the premier luxury hotels with more than 3,700 properties in 74 countries and territories worldwide. The JW Marriott Hotel Mumbai is the flagship hotel of the Marriott Group in Mumbai, located at the Juhu beach with outstanding amenities and stunning event space for most of the lavish venues for meetings, weddings and events.

Business Drivers

The rising manpower cost, increasing energy expenditure and need for green hospitality were the prime concerns for JW Marriott in pursuing a vision to create a world class environment for their customers.

The customer wanted majorly to bring down its operational costs from Rs. 11 crores. This was further amplified by the growing need to lower costs due to reduced occupancy as a result of the global downturn, as well as a shortage of skilled labour.

Being one of the biggest players in Hospitality industry, JW Marriott envisions to spread awareness on energy conservations and is focused on reducing environmental impact to 25% by 2017.

The Solution

Honeywell is engaged with JW Marriott for the annual maintenance contract of the complete building management systems consisting of Fire, Public Addressal system, CCTV and Building Management System etc. of the entire facility.

Honeywell offered JW Marriott hotels "The Attune™ Operation Awareness Solution" keeping in view its unique ability to reduce energy and operation cost without compromising on guest comfort. Attune™ Operations Awareness Services is a cost-effective solution to improve overall efficiency and another step towards optimisation.

Significant Observations out of Attune™ Value Reports:

The observations and recommendation listed in the monthly Attune™ Operation Value offered significant energy and operation savings without compromising on guest comfort. Based on the observation provided in the value reports, Honeywell Building Solution's service team carried out investigation of the entire system and suggested the following measures:

| Observations | Recommendations |
|---|--|
| <ul style="list-style-type: none"> Temperature set points of Air handling Units (AHU) were maintained at very high or very low value | <ul style="list-style-type: none"> Set lower and higher limits for AHU temperature set points |
| <ul style="list-style-type: none"> Variable Frequency Drive (VFD) frequency was set manually at a fixed value | <ul style="list-style-type: none"> Modified VFD speed modulation logic |
| <ul style="list-style-type: none"> AHU was overrun | <ul style="list-style-type: none"> Modified AHU Cooling valve logic |

Business Outcomes

- ✓ The recommendations suggested by Honeywell's Attune Advisory will lead to the energy cost savings of around Rs. 1.5 lakhs INR every year post implementation of the set of ECMs on the targetted AHU.
- ✓ By successful implementation of the recommendations, JW Marriott will be able to save total energy and operation cost of more than 10 lakhs in the first year.

Based on the findings provided by Honeywell's Attune value reports, we are able to do a analysis and take appropriate actions to save energy. We are looking forward to realize significant cost and energy savings after the completion of the entire implementation.

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September 2013
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