

▶ Radisson Blu Goa, India

Overview

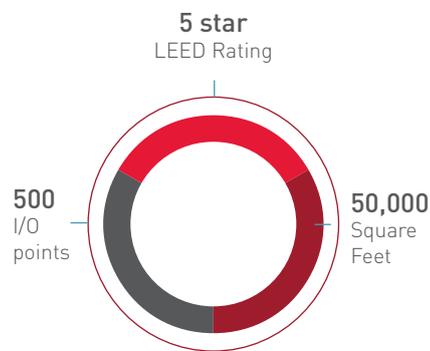
Vertical
Hospitality

Site build
New Construction

Site size
50,000ft²

The Radisson Blu is a 132-roomed resort located in Goa, India. Spanning across 7 acres, the resort design represents the local Portuguese era's history and architectural influence in Goa. Delta Controls' partner Bajaj Electricals Ltd., was responsible for integrating air handling units (AHU), fan and chiller plants to the building management systems (BMS).

Overview



Partner Information



Bajaj Electricals Limited (BEL), a 75 year "young" trusted Indian company, is part of the US \$7 billion "Bajaj Group". Bajaj Electricals Limited has six strategic business units – Appliances, Fans, Morphy Richards, Luminaires, Lighting and EPC Segment.

Bajaj Electricals has 19 branch offices spread across different parts of the country. It is supported by a chain of about 2,200 distributors and 4,100 authorized dealers, with over 400,000 retail outlets for Lighting, 40,000 retail outlets for Appliances, 50,000 retail outlets for Fans and over 397 Customer Care centers. The company has also set up over 100 "Bajaj World" retail outlets, a one stop shop for all your home needs across the various Tier II towns in the country.

Visit: <http://bajajelectricals.com/>

The Challenge

Bajaj Electricals had to provide controls for every aspect of the HVAC system, from individual rooms to large spaces like the conference hall.

Bajaj was tasked with providing building occupants with complete temperature control in their rooms. In addition, resort staff needed temperature control to the conference hall, cafeteria, administration offices, and the Titos Club (a nightclub inside the resort). The building needed a centralized HVAC system, along with single seat management for fire and smoke detection. Due to the short timeline of the project, the systems had to work immediately after the install as there was very little time for testing the implementation.

Control units were located between floors which made them very difficult to access.

Much of the mechanical equipment was in very cramped conditions, which made it difficult to install the BMS. Sensor installation and valve cable commissioning was complicated because of access challenges throughout the building. In addition, the treated fresh air (TFA) units were located on the rooftops, making them hard to reach during the installation process. The project size (50,000ft² and 500 I/O points) coupled with the access challenges to different parts of the building made it a challenging installation for the engineers.

To find out how Delta overcame this challenge, please turn over. →



▶ Radisson Blu Goa, India

“
With the
integration, we've
achieved a flexible
system; and more
importantly, the
management of
the building has
become easier
and cost effective.
”

Vikram Antao
General Manager
Radisson Blu Resort
Goa, India



The Solution

The engineers worked around the clock in order to finish the project in the short time frame.

Radisson Blu was built to 5 star LEED rating standards, helping the owners and operators to be more environmentally responsible. The Delta Controls ORCAview BMS software is used to integrate different building systems throughout Radisson Blu. By controlling the AHU's, application controllers, and field modules through ORCAview, operators are given more control over the building.

ORCAview 3.33

- Powerful local operator workstation BMS

DSC 1616E

- Ethernet enabled high-speed system controller

DAC series

- Fully programmable BACnet® application controllers

DFM 1600

- Delta field modules

The Benefits

A centralized BMS provides a way to cut building running costs, while maintaining a high level of occupant comfort. Every area of the building can be controlled using Delta Controls ORCAview software. In addition, the facilities team is able to monitor every part of the building through a single interface. Any problems which arise are pinpointed to a particular section of the building, saving staff time and resources when trying to resolve issues.

The Results

By the end of the installation, the whole building had been made BACnet compatible, making future system upgrades and additions easier. Since managing the BMS is so easy and intuitive, the resort staff can spend more resources focusing on giving their guests the best possible hotel experience. Radisson Blu management is looking forward to a long and beneficial relationship with Bajaj Electricals.



To learn more about Delta Controls:

Contact us now at **1-604-574-9444**

Alternatively, visit our website at www.deltacontrols.com.

