

# Premier Travel Inn, Dubai

Design, engineering, supply and commissioning of intelligent building controls for the first Premier Travel Inn Hotel outside of the UK, was successfully completed by Green Optima. The first hotel, in Dubai Investment Park, is now open and guests are enjoying this well appointed hotel. Controlling the mechanical plant monitoring of the electrical systems was undertaken to provide status and alarm indication to the BMS. The system installed is a state-of-the-art open protocol BACnet building management system with a central BMS head-end which has the ability for remote web-based access allows 24-hour monitoring and pro-active maintenance support for the buildings maintenance team.

The hotel is supplied by chilled water from the district cooling system along with associated control of the pumps and plant. Fresh air AHU's supply tempered air to the 496 fan coil units, whilst individual AHU's supply the restaurant & kitchen areas. Smoke extract, staircase & lobby pressurisation fans together with all DHWS services plant where controlled and monitored by DDC controllers that where strategically installed throughout the building to ensure control and monitor all of the essential building systems.

Case Study

### The System

- DHWS
- CHW Pumps
- FAHU
- Extract Fans
- Fan Coil Units
- Water Tanks
- Smoke Ventilation
- Lighting Control



### The Challenges

- To provide a platform for future -proof building control
- The project was completed on time and on budget
- Controllers manufactured incorporating BACnet communication. The project was subject to rigorous and bespoke customer specifications.



Products



Consultant



Contractor