



Case Study

Hospital

Background:

A Premium Hospital with 250 beds, part of a large Hospital chain, was facing high energy bills and inconsistent room temperatures.

Solution:



After evaluating BMS and IoT solutions, management decided to adopt solution from AgileConnects for being open architected, scalable, and ability to command and control of independent/stand-alone HVAC systems.

- In-Premise AgileWise Gateway with AI, ML and edge computing
- Agile Ductable controllers for monitoring and control, alerts management (HP, LP, SPPR)
- Agile SmartSchedules implemented for comfort & energy optimization
- AgileSense with occupancy sensors for Split ACs
- AgileSensors to monitor floor temperature & humidity
- Energy Meters/ per outlet to track different heads of energy consumption
- Centralized dashboard and mobile app for equipment malfunction and alerts

Results and benefits:



- Energy Saving in split and Ductable ACs approx. 12% per month with the help of Agile smart schedule.
- Visibility into temperature, humidity in zones of air conditioned area.
- Alert management HP, LP, SPPR, High/Low temperature threshold
- Meaningful analytics:
 - Daily & monthly reports of consumption and power quality parameters of main incomer, HVAC and other medical equipment loads.
- Zone and ambient temperature tracking and temperature breach thresholds alarms/alerts to facility team
- Energy patterns of different equipment types with respect to energy, power factor and voltage/current fluctuations



This case study demonstrates the potential of AgileWorks in hospitals to drive energy efficiency, cost savings, and improved patient/staff satisfaction, while enhancing sustainability reputation.