



ATM >30% Energy Saving

Improve the performance



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ATM – ROOM ENERGY SAVING

In India more than 50,000 ATMs are implemented as per the customer convenience. Only few is having security guard working for night shift. These ATMs are consuming huge amount of energy and there is lot of opportunity to optimize the power consumption.

PROBLEM STATEMENT

- Outside the ATM board lights are not switched OFF, most of the places it is ON continuously 24 X 7 basis.
- Inside the ATM all lights are continuously ON.
- Air Conditioners are continuously running irrespective of day or night, whether ATM Room is occupied or not.
- The Bankers / Service providers not having any clue about the power/energy consumption pattern, other than the electricity bill.

PROPOSED SOLUTIONS



Protects the ATM electronics, air conditioner, power failure, and other factors like – unbalanced voltage, over voltage, over current – protects the asset and remotely alerts the service provider.



Based on the occupancy of the ATM-Room, the temperature and humidity is automatically adjusted and ensures the customer comfort and optimize the temperature based on the ambient climatic weather conditions.



Remote Monitoring and controlling of Temperature & Humidity inside the ATM room. Optimizing the room Temperature and Humidity based on the ambient climatic conditions.



Based on the outside light influence inside the ATM, the brightness of the LED lights are automatically adjusted, and also dim or increase the brightness based on the occupancy.



The system predicts any one not closing the ATM room door – the system - coice alerts the user – to close the door. Prolonged open door alerts the service provider and switch OFF the air conditioner and only FAN is ON.



As per the system astro clock/ ambient light conditions – the outside board light is automatically ON/OFF.



The service provider monitors all the ATM room – real time status and alert the nearest service provider immediately. The site locations are mapped in the GIS, and real time basis monitors the status.



The bankers shall take credit for the ESG measures apart from energy saving (more than 30 %) and performance improvements.

Air Conditioner – Temperature shall be automatically adjusted according to the occupancy, time of the day, ambient climatic condition, number of peoples are occupied, etc.

The proposed monitors alerts the service provider if there is any anomaly in the temperature, electrical parameters, tripping, and other issues

