

Case Study

ZenConnect at Hotels



About

The customer is a leading hotel chain operator in India having multiple 5-star properties spread across India

Customer Profile



20+ Properties



5 Star Hotels



PAN India presence



2 Mn+ sq ft Property Area

Challenges

The customer was facing following operational challenges:

- High energy expenses (3rd largest cost head)
- Lack of visibility into energy consumption & sub-optimal operation of assets
- Lack of centralized visibility into operations of multiple distributed properties
- Lack of visibility into compliances such as temperature, humidity, etc.
- Lack of visibility into asset health & predictive maintenance leading to unpredictable breakdowns
- Lack of visibility into low power factors and current imbalances



Solutions Provided

- Provided AI/ML based intelligent controlling of assets & helped reduce weather normalized HVAC consumption by 25%.
- Increased chiller plants efficiency by optimizing the condenser inlet temperature.
- Constant monitoring of asset health helped preventing breakdown of assets like chiller, induction motor, pump etc.
- Regulated the fans of running cooling towers to increase energy efficiency.
- Optimized the AHUs to avoid over cooling & energy wastage.

Benefits Delivered



Provided real-time monitoring and analysis of energy consumption to identify saving opportunities



Provided real-time & centralized visibility of operations across multiple properties



Provided centralized visibility into asset health, avoiding frequent breakdowns and ensuring safety



Provided monitoring and automation of assets like HVAC system to ensure comfortable ambience



Prevented energy hazards by providing automated alerts of low power factor or current imbalances.

Key Results

20%

Improvement in Energy Efficiency

25%

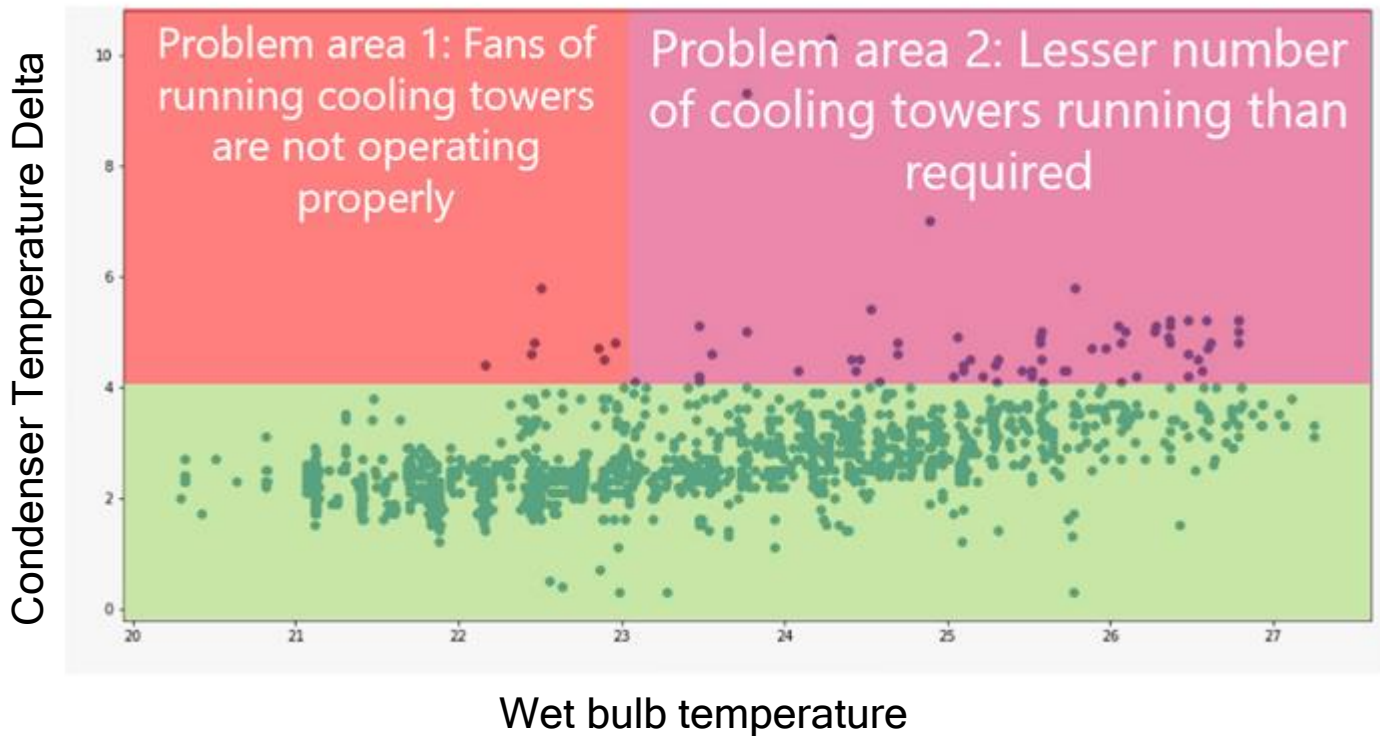
Improved Customer Comfort

20%

Reduction in Asset Breakdowns

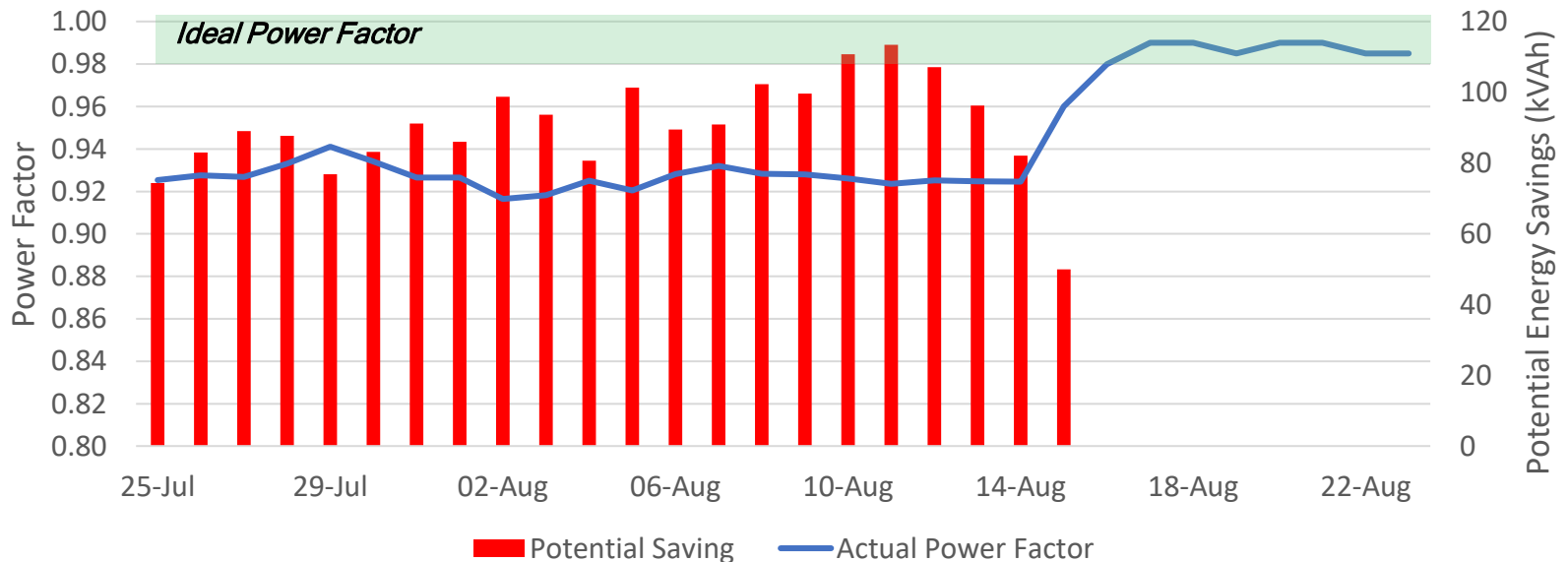


Comfort Compliances



ZenConnect helped report unbalanced running of HVAC cooling towers

Power Factor



ZenConnect reported low power factor & helped avoid energy wastage & electricity bill penalties



by **Schneider** Electric

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