

BLIND RETAIL CASE STUDY

EnTouch offers customers a comprehensive, enterprisewide intelligent building solution and advisory services with 24/7 customer support.

Technology coupled with account management provides remote monitoring and alerts from energy experts, which are informed by the data from wireless sensors and legacy data and controls infrastructure and communicated via cellular technology.

EnTouch monitors refrigeration, HVAC, lighting, and energy use, and presents this facility data in an online software platform available to the user and the EnTouch advisory services team.

This case study illustrates how a nationally recognized retailer utilized intelligent building technology to **reduce energy consumption by 20% and decrease operating costs.**

THE CHALLENGE

A large lumber and building supply retailer was challenged to better manage its HVAC systems, which had been working overtime and were on the verge of failure.

The retailer's facility management team determined that open receiving bay doors were one of the primary causes for spiking energy demands and failed HVAC equipment, but could not identify any pattern or rationale to flatten out the volatility in energy consumption, extend equipment life, and reduce costs.

Initially, the retailer relied on a modest facility team and a legacy energy management solution to investigate the issue. The energy alerts were overwhelming and lacked insight, failing to direct any improvements in operations.

THE SOLUTION

EnTouch's remote sensors were deployed to monitor the receiving bay doors and provided immediate insight into the associated energy losses.

For every alert triggered, the EnTouch advisory services team notified the facilities manager at the site and tracked data patterns to identify operational issues leading to open doors such as scheduled shipments, delayed inventory stocking, delayed closing, etc. This information provided the retailer a record to model the open door effect on the store's energy costs.



ENTOUCH'S REMOTE
SENSORS PROVIDED
IMMEDIATE ENERGY
LOSS INSIGHTS



PERFORMANCE
ANALYSIS OF
ENERGY USAGE,
HVAC + LIGHTING
SYSTEMS



DATA-DRIVEN
INSIGHTS FOR
COSTS SAVINGS +
BETTER RESOURCE
PLANNING



CONSOLIDATION
OF CRITICAL DATA
FOR ACCURATE
INVOICING



20% REDUCTION
IN ENERGY USE
IN FIRST YEAR

INSIGHTS

Entouch provided insights far beyond tracking the bay doors, including:

- Analysis of energy usage, HVAC, and lighting system performance
- Data-driven insights for costs savings through energy efficiency
- Better resource planning, reducing truck rolls and visits from third-party HVAC and lighting technicians
- The consolidation of critical data and insights for accurate settlement and invoicing for sub-leases

THE RESULTS

After one year of deployment, the retailer is benefiting from a 20% reduction in energy use, which equates to over one million kWh, with an average reduction of 60,000 kWh per month.

This case study is illustrative of the benefits of intelligent building technologies for energy savings and business improvement. By deploying new sensors or integrating with existing data and controls infrastructure, IoT intelligent building solutions provide a unified view of operations within a facility and across a portfolio to optimize spending and management approaches.

CONTACT US

EnTouch Controls specializes in comprehensive energy management solutions – from HVAC and lighting control to branch energy and refrigeration monitoring.

We understand the problem you face and can improve your energy efficiency to help you meet your sustainability goals.

Please contact us today to partner with the most diverse portfolio of innovative energy management solutions and services in the retail industry.



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