Global Fashion Retail Chain Meets Sustainability Requirements and Cuts Energy Costs with Panoramic Power's Device Level Energy Management Solution

Company Overview

Industry
Fashion & Accessories

Distribution
Global

Number of Stores
400

Pilot Program Results

Energy savings at 6 stores:
$17,500

Total savings potential
$130k / year

THE CHALLENGE

With more than 400 stores in 50 countries around the world, a global fashion retail chain sought an improved means of tracking, managing and reporting its energy consumption. The company was also looking for an energy management solution that helped support its robust corporate sustainability program. Panoramic Power was chosen based on the ease of installation and for the granular energy data that would contribute to the retail chain's global environmental policy commitment to minimizing energy, and striving for continuous improvement by measuring and reporting on its carbon footprint. Panoramic Power was also the chosen vendor due to the solution's benchmarking capabilities and real-time reports and alerts.

THE SOLUTION

Phase I: Pilot Program

The fashion chain initially deployed a pilot program at 6 sites in North America, setting specific energy, operational and sustainability targets. Panoramic Power's device level energy management solution was implemented and configured at all sites within one week and the company immediately was able to monitor energy consumption in real-time. The solution's non-intrusive wireless and self-powered sensors, coupled with cloud-based analytics quickly provided real-time data and actionable insight to significantly save energy, highlight operational inefficiencies and mitigate risks.

Data from the Panoramic Power solution was integrated with the customer's Building Management System, providing energy and facility managers unparalleled visibility into device level energy use per location.

In addition to reduction in electrical power consumption, data was used to support the company's robust sustainability initiatives, and corporate social responsibility directives.
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Phase II
Global Rollout

Implementation at 60 stores across North America, Europe and Asia

Annual Savings potential impact for 60 stores: $1,200,000 a year

• Reduction of energy consumption by 15%

Off hour consumption costs reduced by 8%

ROI within
9 months

THE FINDINGS

By monitoring energy consumption at each store location, the company was able to quickly identify energy and operational inefficiencies.

Immediate reduction in electrical energy consumption at each store. Real time energy alerts identified energy waste and operational problems. Energy data also helped improve operation procedure enforcement when company's BMS was overridden.

Internal best practices established to optimize energy and operational performance. Benchmarking between individual devices and each location revealed inefficiencies and helped customer identify root cause of the waste.

Cost savings for maintenance. On-going-commissioning and benchmarking resulted in new maintenance schedules and saved costs on periodic checks.

Benchmarking across stores and regions helped company establish energy efficiency goals.

CONCLUSION

This leader in the fashion and accessories industry has realized the benefits of Panoramic Power as a fully integrated energy management system.

After an initial four month pilot program, the company decided to unleash the power of the solution at stores across the globe. The drill down features of Panoramic Power's PowerRadar software provides the necessary visibility into energy and operational spend that the company includes in its annual sustainability report.

Integrating Panoramic Power data with the company's Building Management System, enabled them to gain streamlined efficiencies, redundancy eliminations, heightened process visibility, and significant improvements with task execution and follow-up.