

A Leading Business Process Services firm leverages Azure IoT and Cortana Analytics Suite for facilities management

The Customer:

The customer is an American Fortune 500 firm specialized in business process services and provides business-to-business services. They also bring most-relevant technology solutions to the IT and consumer electronics markets to help partners sustainably grow their business.

The Challenge:

The challenge was to seek a platform, which could provide metrics to measure consumption of energy and guide efforts to reduce energy towards a goal of “Zero Net Cost”.

They were actively looking for a reliable control system to monitor and manage energy consumptions. The management team was worried about the excessive spending time on operational reporting and intensely required a single gateway that could listen to a wide variety of data streams and standardize messages for a unified management system.

Key requirements included:

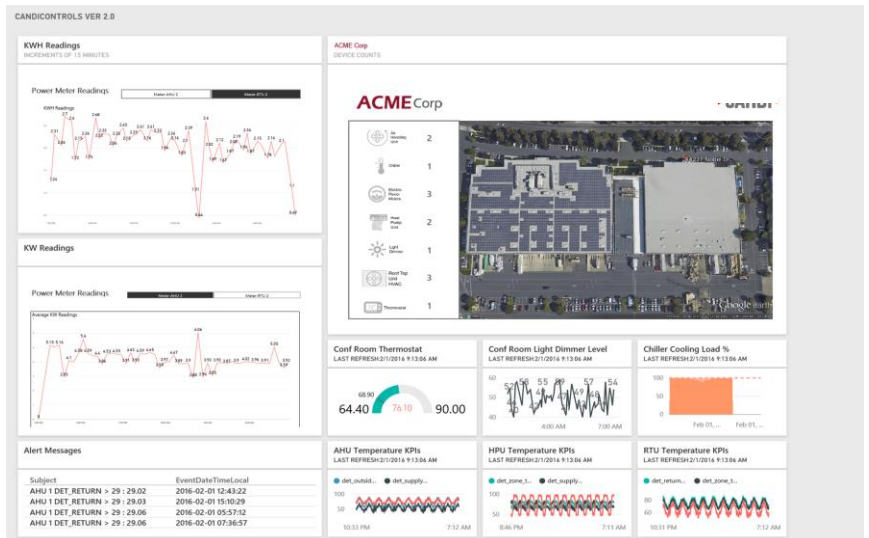
- Optimized Energy consumption by covering a heterogeneous set of instrumentation.
- Real time sense-and-respond capability.
- Increased Productivity by covering a wide range of facilities remotely
- Ability to drill into specific areas for diagnostics

WinWire Solution:

WinWire critically analyzed the situation and subsequently, created an agile Power BI based dashboards using data being captured from devices installed at various sites/buildings.

This helped in monitoring main energy loads, and establishing baseline energy usage by work area and load. The dashboards provided metrics to measure consumption of energy and guide efforts to reduce energy towards a goal of “Zero Net Cost”. It also enabled analytics to maximize savings of energy in facilities when occupancy is lowest and conditions are most favorable. This led company to analyze high-volume, streaming data and also get a deep insight into a real-time Power BI analytics dashboard.

Technologies Used: Azure IoT Hub, Azure Stream Analytics, Azure



Benefits

- The application improved insight and support for business growth.
- The solution not only increased performance and scalability but also reduced the initial capital outlay and trimmed ongoing costs.
- Enabled analytics to maximize savings of energy in facilities when occupancy was lowest and conditions were most favorable.

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