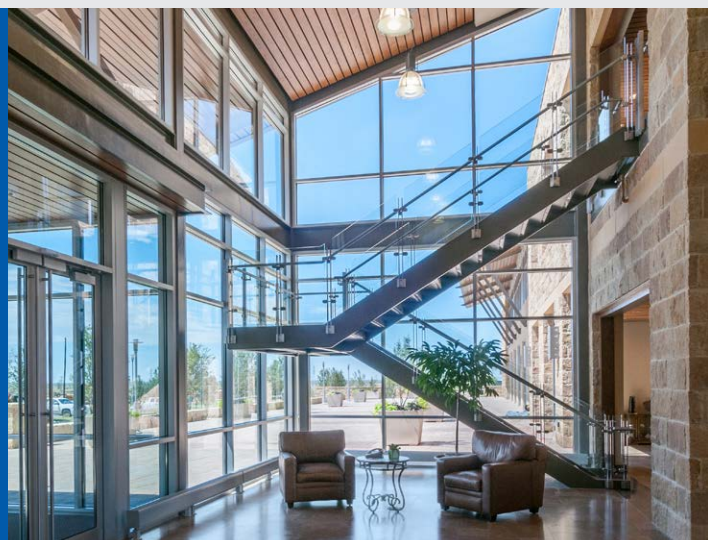


CASE STUDY

Fasken Oil Balances Sustainability & Comfort with BrightBlue®



Photos courtesy RVK Architecture

Project Overview

In the dynamic landscape of commercial real estate, the pursuit of sustainability and energy efficiency, while maintaining a comfortable work environment, is increasingly paramount.

Fasken Oil's Class A office campus spans five buildings and about 200,000 square feet. The company embraces BrightBlue® as an innovative solution to reduce energy use, improve comfort control and extend the useful life of equipment.

Challenges

- Small, in-house facilities team
- Numerous employee comfort calls
- Complex mechanical systems
- Significant time required to assess the root cause of HVAC faults

Opportunities

- Improve energy efficiency
- Simplify thousands of equipment data points
- Provide consistent comfort throughout five-building campus

Class A Office Campus



\$14,700 Energy Savings in 1 Year

7% Increase in Comfort Score

15% Extension of Equipment Life Span



TD Solutions

BrightBlue® maps BAS points throughout campus building-run diagnostics on HVAC equipment at five-minute intervals, analyzing the performance and finding the best solution to optimize building systems.

Goals with BrightBlue® include:



Energy: Increase efficiency and decrease utility expenses.



Equipment reliability: Proactively flag issues before they cause equipment failure and prolong equipment life.



Comfort: Pinpoint potential faults to catch issues and provide solutions before comfort is affected.

TD's BrightBlue solution monitors Fasken Oil campus equipment, including:

- Variable Air Volume Air Handling Units
- Variable Air Volume and Fan Powered Boxes
- Central Plant
- Split Systems
- Exhaust Fans
- Heat Pumps

Results

Energy savings: Within the first year, Fasken Oil achieved a \$14,700 reduction in energy spend.

Improved comfort control: Increased comfort score by 7%, improved temperature control within office spaces and reduced the number of hot and cold calls.

Increased equipment life span: The predictive maintenance features of BrightBlue identified and resolved potential issues, resulting in a potential 15% extension of the HVAC system's life span.

About BrightBlue®

BrightBlue® by TDIndustries represents a game-changing solution for Class A office buildings seeking to balance sustainability, energy efficiency and occupant comfort. As exemplified by Fasken Oil's success story, the implementation of BrightBlue can lead to significant cost savings, improved workplace satisfaction and a prolonged equipment life span. In an era where environmental responsibility is a top priority, BrightBlue stands out as a beacon of innovation and progress for commercial building management.