



HOSPITALITY

“By listening to the customer and the building’s data story, our team devised a solution that will continue to offer customer payback for years to come.”

– **Leanne Stiers**
BAS Manager

PROJECT AT A GLANCE:

- Project Gross Footage:

353, 632

- Project Cost:

\$ 4,990: 40 block of hours

\$ 3,847: repair of VAV's

\$ 7,867: install sensors

\$ 4,584: annual contract savings

Total Cost: \$21,288

Payback: \$51,165 in 12 months

Optimizing energy efficiency by way of controls and remote monitoring.

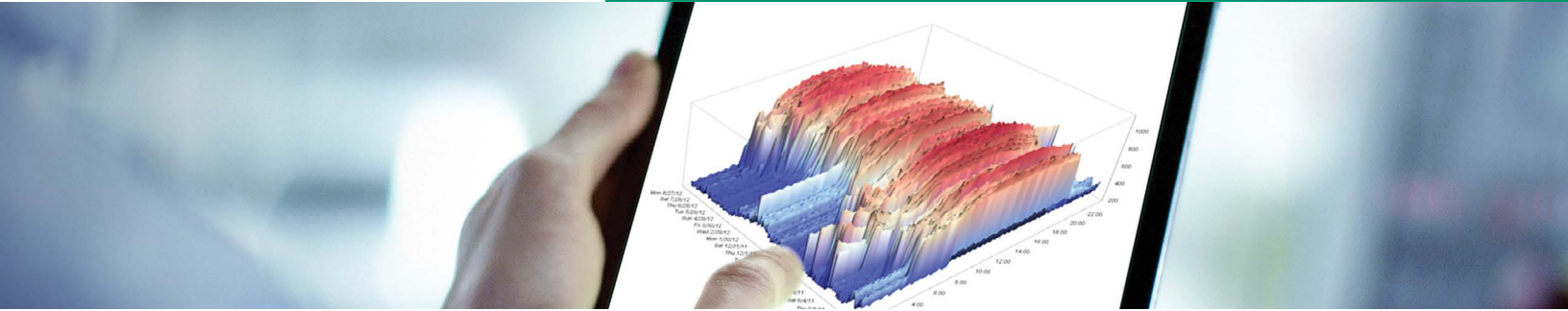
CHALLENGE

Hunton Services was hired to implement remote inspections last year for a large commercial building. After the first inspection, many installation issues were uncovered (another company did the install), causing the building to run inefficiently. It was also found that all schedules were running 24/7 which was overcooling at night and causing humidity issues throughout the building. Chillers were not rotating properly and had poor lead/lag control. Energy spend was far too high.

SOLUTION

Hunton Services proposed a block of 40 hours to correct as many BAS issues as possible. This included fixing VAVs that were assigned to the wrong RTUs, adding a better chiller sequencer, and other minor fixes. Our team also met with the customer to come up with a more realistic schedule and set out Building Advice sensors throughout the building, which allowed Hunton to hone in on numerous problem spots such as humidity and lighting issues that were missed in the remote inspections due to a lack of humidity sensors on the BAS. Discharge air sensors were also added to all VAV boxes to allow analytic formulas to point out energy inefficiencies on the boxes. All findings were presented to the customer with proposed plans of action, most of which included schedule adjustments. After correcting the VAVs to go with the proper RTUs, energy cost went up slightly, but the system was working properly. Chillers began to rotate weekly and lead/lag properly with the new sequencer. Schedules were made that correlated with the customer’s actual usage of the building.

Large Hospitality Building Building Controls and Remote Monitoring



ENERGY SAVINGS

- **Energy Saved:**
1,499,363 KWH
- **Building Energy Use Intensity**
Before: 68.8
After: 60.6
- **Energy Star EUI Average:**
36.8

ENVIRONMENTAL IMPACT:

CO₂ reduction = 4,391 metric tons

PROJECT TIMELINE:

- **Results Verification:**
2017
- **Project Completed:**
2016
- **Project Started:**
2016
- **Energy Evaluation/Audit:**
2016

◆ RESULTS

What began as an inspection ended in an opportunity for great customer savings. Since the schedules have been put in place, humidity issues have decreased and energy spend has gone down significantly. In 12 months since the block of 40 hours were sold, a net savings of \$51,165 has been achieved by the customer in a 12 month period. Maintenance and operating costs are dropping steadily as new efficiencies are realized with each passing day.

◆ WHY CHOOSE HUNTON SERVICES?

In addition to world-class systems and innovative solutions, The Hunton Group is known for its expert and reliable people - the team that delivers energy efficient HVAC systems, top-notch facility service and parts support, sophisticated open control systems, and energy optimization.

FOR MORE INFORMATION, CONTACT:

marketing@huntongroup.com
www.huntongroup.com



Hunton Services is one of Houston's largest and most experienced fully-integrated facilities service companies. We help building owners reduce their cost of ownership by minimizing energy and other operating expenses while extending equipment life, regardless of whether they own a single building or an entire campus.

Hunton Services is an expert provider for all major HVAC and smart building systems. We aren't a manufacturer so we aren't tied to specific products. We provide independent solutions and service based on the most appropriate products and service for a particular facility. Energy efficiency and other operating costs are important factors.



Our expertise can encompass the entire spectrum of design, finance, build, operate and maintenance (DBOM) or any part thereof. By delivering the lowest total life-cycle cost of ownership, we help building owners make the best decisions regarding design, equipment selection, operation, and maintenance of their building systems

Facts about Hunton Services:

- Fully insured and licensed : TACA009290C
- \$10 Million bonding capacity
- Over 130 employees, including 90 service technicians
- Multiple financing sources
- Full-time safety director

