



StoreConnect's Low Superheat Detection Feature

Identifies Key Issues with Present and Future Compressor Failures in Commercial Refrigeration Equipment

StoreConnect's algorithms focused on high-cost assets and service enablement provides owners and contractors the competitive advantages to sustain and improve their service benchmarks.

StoreConnect's focus is on **proactive** insight and work to remove and reduce reactive service events.





10%

Target Service Cost Improvement for customer utilizing StoreConnect with preferred sensors

2 to 8

Number of Work Orders expected to be reduced for a retailer due to proactive, bundled service events

FEATURES, BENEFITS, and ADVANTAGES

-  Algorithms focused on high cost / high impact assets.
RESULT: StoreConnect provides deep insight.
-  Remove/reduce the "floodback" problem.
RESULT: Compressor replacement savings (with right sensors).
-  Reduce the surprises with rack performance.
RESULT: 24 x 7 x 365 voltage / amperage monitoring with StoreConnect.
-  Focus on efficiency with coefficient of performance.
RESULT: Automated calculations.



StoreConnect is changing the service model and bundling events.

Low Superheat Detected at Warehouse

Real situation that Low Superheat Analysis quickly solved future compressor failures.

PROBLEM:

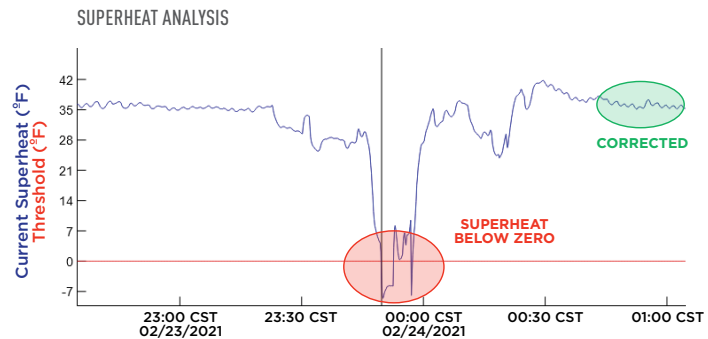
- Bulk retail customer experiencing large number of compressor failures over the past 2 years.
- Intermittent low superheat was making it back to the rack from the large walk-in's.

TASKS and ACTIONS:

- StoreConnect installed at sites to apply superheat algorithms and stop compressor failures.
- Low superheat events automated to key service personnel.
- Harmonics and compressor energy utilization played a fundamental role.

ANALYTICS FINDING and RESULTS:

- StoreConnect has alerts for low average superheat and superheat below zero that helps direct technicians which loads need superheat adjustment and when the event is occurring.
- Isolated the root causes (large walk-in's), completed repairs and monitored performance.
- Further training of algorithm and technician-base to prevent future occurrences.



THE BUSINESS CASE SOLUTION

\$8,000 SAVINGS
in labor and materials!

Saving just one compressor failure through advanced superheat algorithm events, the retailer or contractor saved on labor and materials!
(ROI is within 6 months on this feature)

To learn more about StoreConnect's Low Superheat Detection feature, contact us today!



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