GROCERY CHAIN REDUCES ENERGY ACROSS COMPLEX BUILDING SYSTEMS

PHOENIX ENERGY
TECHNOLOGIES

ABOUT THE CUSTOMER

The customer is a national grocery retailer with over 1,900 stores across 20 well-known banners, throughout the states. Aside from business goals to reduce energy, the customer has publicly pledged a series of energy commitments to reduce their carbon footprint.

THE CHALLENGE

Despite the complexities involved, the customer required a solution that would enable:

- **Real-time Visibility** - Visibility into the real-time performance of their refrigeration, HVAC, and lighting at the equipment level across their enterprise.

- **Energy Reductions** - Energy reductions that would meet corporate ROI requirements.

- **Proactive Maintenance** - Proactive maintenance processes on identified energy and building efficiency opportunities.

- **Data Capture** - Ability to validate energy savings through a Measurement & Verification (M&V) process.

- **Integrations** - Ability to integrate multiple IoT data points into one centralized platform.

THE SOLUTION

The overall goal was to reduce energy consumption through specific ECM strategies, which included:

- **Suction Float Optimization**
- **Discharge Float**
- **High Defrost**
- **VFD Operation**
- **Corporate Compliance**

THE RESULTS

Phoenix eases the burden of managing disparate equipment and allows for energy reduction through continuous remote commissioning. The customer benefits from:

- Energy consumption reductions

- A 3-5x ROI

- The ability to qualify for millions of rebates and incentive dollars from utilities

- Ease of implementation and work flow assistance

- An enterprise view and remote control of their stores that consolidates data for comparison and strategic decisions