

## Case Study

### Top Grocery Chain Sets New Standard in Energy Efficiency

Titan Energy partnership helps this international grocer reduce energy consumption by 48 percent.

#### CHALLENGE

A national grocery retailer, committed to sustainability and energy performance transparency, was already leveraging submetering and monitoring tools as part of its broader efficiency strategy. While these efforts were effective, the organization sought to further reduce energy use and maintenance costs—particularly those tied to rooftop HVAC units and frequent failures of variable frequency drive (VFD) motors due to overheating. Any new solution needed to be intelligent, fault-resistant, and easily integrated into existing systems.

#### APPROACH AND SOLUTION

To address these needs, the retailer partnered with Titan Energy to implement the Turntide™ Smart Motor System. The project involved replacing aging, single-speed supply fan motors in rooftop units with high-efficiency Smart Motors featuring built-in controls and real-time system monitoring. A wireless network connection allowed for seamless integration with building automation systems, while energy meters established a baseline to track performance improvements over time. Impressed by the results, the retailer expanded the initiative to additional locations, incorporating the solution as part of its long-term energy efficiency strategy.

#### AT A GLANCE

- ▲ **Building Type(s):** Commercial buildings
- ▲ **Project Type:** 2 rooftop units (RTUs)
- ▲ **Energy Consumption:** 48% decrease
- ▲ **Energy Savings:** 80% (ventilation mode)

**TO SCHEDULE A CONSULTATION: [TITANENERGYNE.COM](https://www.titanenergyne.com)**