

Vedero Automated Demand Response

Demand Response (DR) programs are becoming an integral component of the evolving smart grid infrastructure. Energy Providers embrace DR as a cost-effective alternative to time-consuming, politically sensitive and highly capital intensive build out of new generation capabilities. Large commercial building owners and operators, whose systems consume 40% of the energy utilized in North America, are attracted by the cash payments received from their energy provider for their willingness to shed energy load during periods of peak consumption. Tenant comfort, however, remains of paramount importance to building owners concerned with customer retention and attraction.

Vedero Software meets the emerging critical requirement of providing a robust platform that ensures compliance with DR events, while maintaining tenant comfort through existing Building Automation Systems (BAS).

Vedero Software’s customers get paid by their energy providers to reduce their energy usage during periods of peak demand. Energy providers gain access to sustainable capacity during periods of peak utilization, avoiding more costly alternatives. Vedero Software improves reliability of the grid, avoiding energy disruption.

Successful Building Operations – “It’s All About Tenant Comfort”

The benefits of participating in Demand Response are clear, but at no time can building operators sacrifice the comfort of their tenants. Only through a realtime global view of facilities, combined with tools and planning through automation across the entire BAS infrastructure can DR compliance be accomplished while still ensuring the comfort of occupants. Vedero Software empowers you with the solution to accomplish both of these critical objectives. The Vedero solution brings together information and commandability of all customer facilities in real-time, as well as providing reporting and analysis capabilities for some or all facilities. From a global view, down to a per-facility view, per floor view... or even a per-device view, the Vedero solution provides dashboard-style information with real-time data, adjustable environmental points, forecasting functionality, and built-in and customizable reporting features.

Vedero Automated DR Product Features

- Appliance-based product integrates easily into LAN/WAN environment and connects to any existing BAS
- Integrates and leverages AMI meters inside buildings (through cloud)
- Automated receipt of DR event signal from ISO/Energy Provider through the internet
- Automatic notification by email or mobile device of an upcoming curtailment event and event compliance status
- Automated execution of DR strategies to reduce utilized load by HVAC and lighting systems while still ensuring tenant comfort
- Pre-planning and simulation of DR events

Vedero Automated DR Product Benefits

- Cash payments and other financial incentives for willingness to shed load on demand
- Easily comply with DR events while assuring tenant comfort
- Subscription pricing model ensures no capital expenditure to benefit from solution

