

HORIZON PLATFORM: DEMAND RESPONSE CONTROL



CORPORATE SYSTEMS ENGINEERING

We Put You in Control When It Counts

The CSE Horizon Platform is designed to provide a framework to build and operate any size load management program. The Software was designed from its inception to be an industrial grade network-based system that is expandable and reliable. It is capable of providing load management facilities for programs ranging from two-way direct load control for residential and commercial, with maintenance and verification data return, to a one-way direct load control for residential applications to include air-conditioning units, heat pump units, water heating units, pool pumps, and agricultural pumps. The Horizon Platform can accommodate factory/industrial load control with load monitoring and detailed reporting back to the Dashboard.



Software Features

Administration:

- Define control strategies for heating, cooling or both
- Intuitive user friendly GUI for dispatcher scheduling, execution of load control events and scenarios
- Structure DR programs into groups to maximize power recovery and minimize consumer impact

Control Event Dispatch:

- Dispatcher can select:
 - Groups of load control devices to participate in control event
 - Control event strategies from pre-defined list
- Dispatcher can view estimated load reduction for selected group

Customer Support:

- Customer call center can have total access to thermostat to provide complete customer service

Reporting:

- Two-way control systems allow for automated reporting for load measurement and verification
- Web and Desktop based report viewing capability

Control Event Notifications:

- Time remaining on event
- Event completion
- Return to normal

Event Opt-Out:

- Utility may limit or prevent consumer from opting-out of events. Consumer opt-outs are reported back to platform.
- Consumer may cancel an event in progress or opt-out of events for one day.

Integration Features

Ability to integrate with:

- Dispatch at Energy Control Center
- Retail Energy Desk (Energy Supply and Marketing)
- FERC compliance for information sharing on 1 & 2 above.
- Supervisory Control (SCADA)
- Customer Information System (CIS, CICS, or other)
- Installation Contractor Tracking System
- Inventory Control
- Advanced Metering Reading

Communication Options:

- Our most common communication paths are:
 - One-Way
 - VHF
 - Paging (Public/Private networks)
 - Two-Way
 - Cellular
 - IP Based
 - Mesh Radio Network

Remote Access:

- Provides complete control of thermostat from a user password-protected web page
- Monitor temperature and modify the daily program.
- Consumer may sign up for a pay for performance participation program
- Limit consumer override
- Verify consumer participation when calculating reward levels



1215 Brookville Way, Indianapolis, Indiana 46239
P: 317-375-3600 ♦ F: 317-375-3610 ♦ www.corporatesystems.com

