



IntelliSOURCE™

Connect with customers through a single platform that enables intelligent energy management.

“IntelliSOURCE represents a defining step forward for the demand response industry and a key component of smart grid technology. Utilities will now be able to deploy this enterprise application directed toward demand response management that is capable of integrating with and functionally expanding their comprehensive back office infrastructure as AMI and smart grid deployments flourish.”

– Bud Vos, Chief Technology Officer, Comverge

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Demand response is a pivotal solution to helping relieve strain on the electricity grid. And with the industry’s growing reliance on demand response comes the need to employ a demand response management system that can empower your consumers with the information they need to reduce their consumption, as well as enable you to manage load, optimize distribution system operations, and maintain economic control.

Yet, focusing exclusively on the needs of today isn’t enough. Advancements in smart grid technology and renewable energy pose new challenges that a demand response management system must be prepared to handle. This reality is precisely what Comverge addresses with IntelliSOURCE – an enterprise-class software platform and operating environment that makes intelligent energy management possible. From smart homes and buildings to a smart grid – the IntelliSOURCE platform provides a comprehensive solution.

Benefits

- Create a critical, two-way, real-time communication link to your residential and commercial and industrial customers
- Enable your employees to interact with a comprehensive management platform for your demand response portfolio
- Adapt to constantly changing business needs and system requirements
- Empower your customers to take command of their energy use by providing the insight and control they need
- Provide a consistent infrastructure for command and control
- Flexibly accommodate next-generation upgrades, such as variable pricing, renewable energy management, and electric vehicle charging

Features

- Integrates with legacy paging systems, two-way IP-based communications gateways, and advanced metering infrastructure (AMI) deployments
- Is based on an open-standards approach, using web services, application programming interfaces, and application server architectures that allow you to pick the modules that work best for you
- Provides technologies to measure your system operations and verify your results
- Supports direct load, price responsive, and dynamic pricing controls in an intuitive and comprehensive platform designed for the needs of today’s utility users
- Configures advanced control strategies to model customer participation thresholds and system topologies through an easy-to-use web interface
- Offers single-click control automation that provides a simple-to-use, yet powerful interface for visualizing impacts and forecasted event performance across an extensive portfolio of demand response resources
- Provides a user- and role-based system for customized access to the platform and a strong focus on business processes
- Serves as a system of record for device operations
- Delivers insightful forecasting and optimization techniques for system operators and grid management users

Insight and control capabilities for residential customers

Through an easy-to-use web interface, residential customers receive:

- A dashboard – Collects weather data by the customers' zip codes and displays current thermostat configurations, including current temperatures, filter times, and system operations
- Thermostat programming – Enables customers to program thermostat profiles for all of their thermostats, and to configure permanent and hold operations
- Price response programming – Allows customers participating in a price response program to adjust their in-home devices to respond to pricing events and alerts
- Event overrides – Allows customers to select the days they do not wish to participate in demand response events; verifies the maximum number of events has not been exceeded; and provides customers with confirmation of an opt-out
- Reports and analysis – Supplies customers with energy usage patterns and temperature data so they can track energy consumption and monitor costs
- Alert messages – Informs customers of specific conditions and situations that require their attention

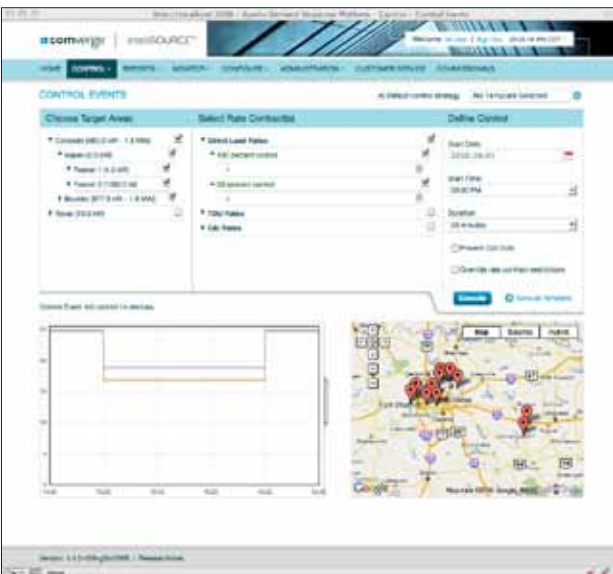
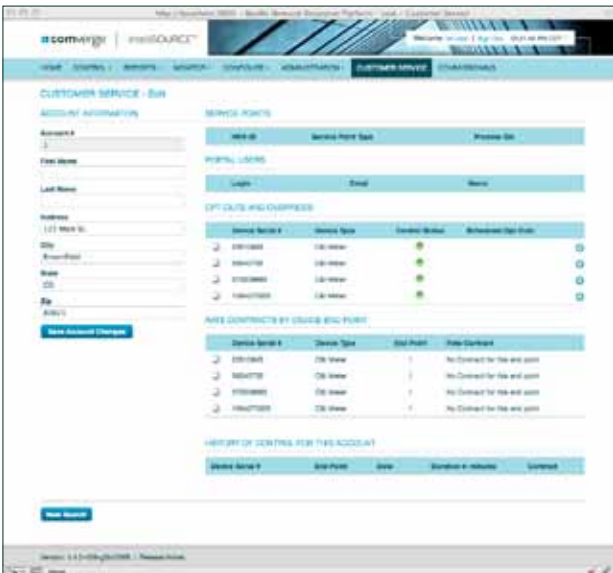
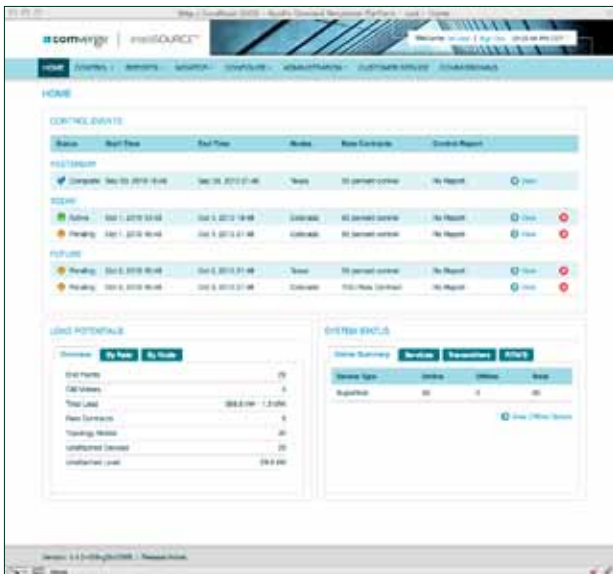
Insight and control capabilities for commercial and industrial customers

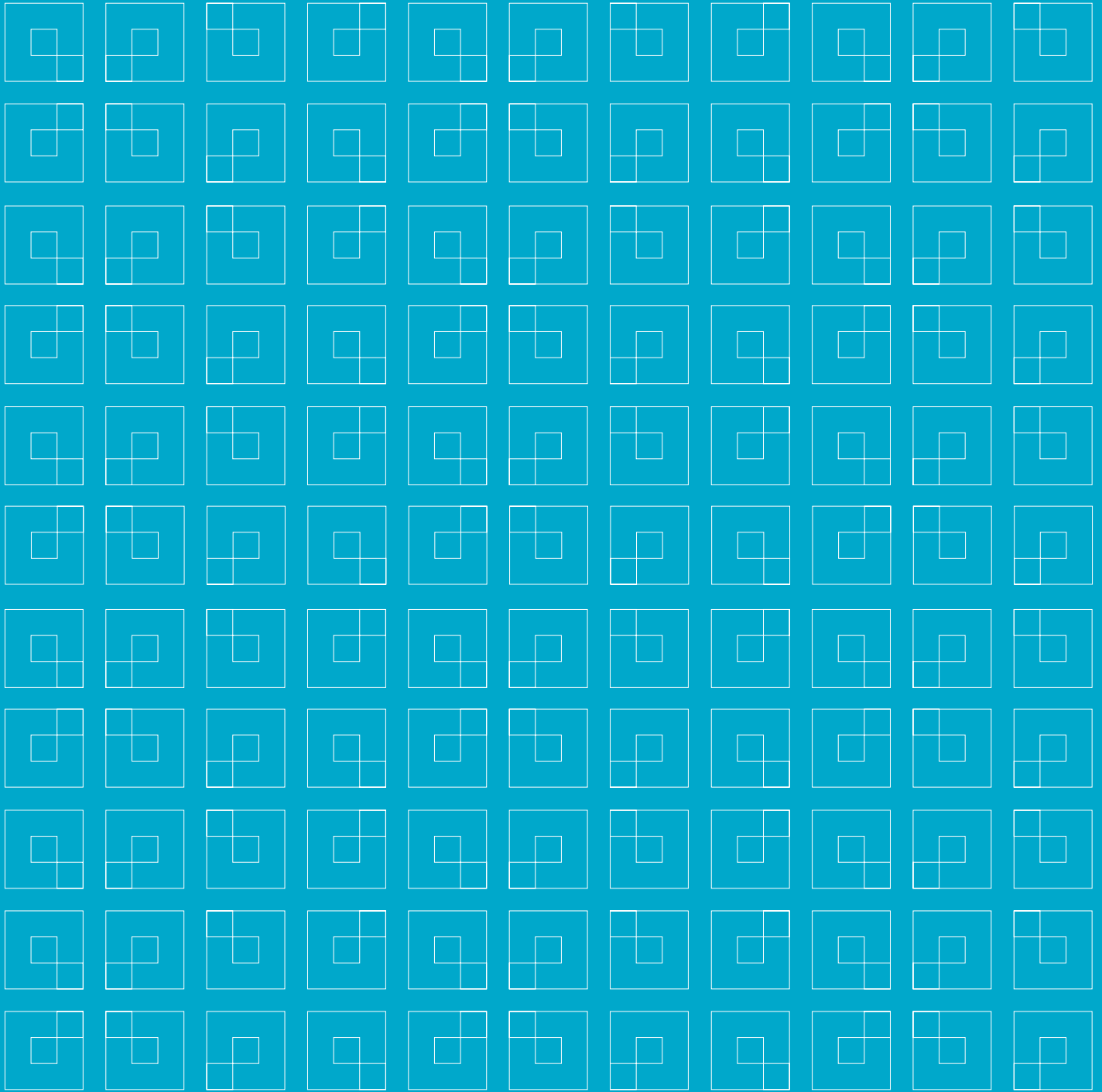
The IntelliSOURCE customizable web interface provides commercial and industrial customers with:

- A dashboard – Collects weather data by the customers' zip codes and displays current thermostat configurations, including current temperatures, filter times, and system operations
- Reports and analysis – Enables visualization of energy consumption information and trending, including the calculation of customer-adjusted baseline performance for demand response events
- Notifications – Supplies insight and information regarding customer notification configurations, demand response actions, and measurement and account information

Support for the emerging smart grid

- Communication – Expands your back office infrastructure to allow for future AMI and smart grid deployments, while supporting interfaces for third-party systems including SCADA systems and computer information systems
- Command and control – Provides all command and control operations including grouping and addressing structures; algorithms and control operations; device management and configuration; and event generation and control
- Data management – Performs data collection including validation and verification
- Knowledge applications – Delivers graphical and statistical information to enable analysis and evaluation of the performance of your demand response program





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