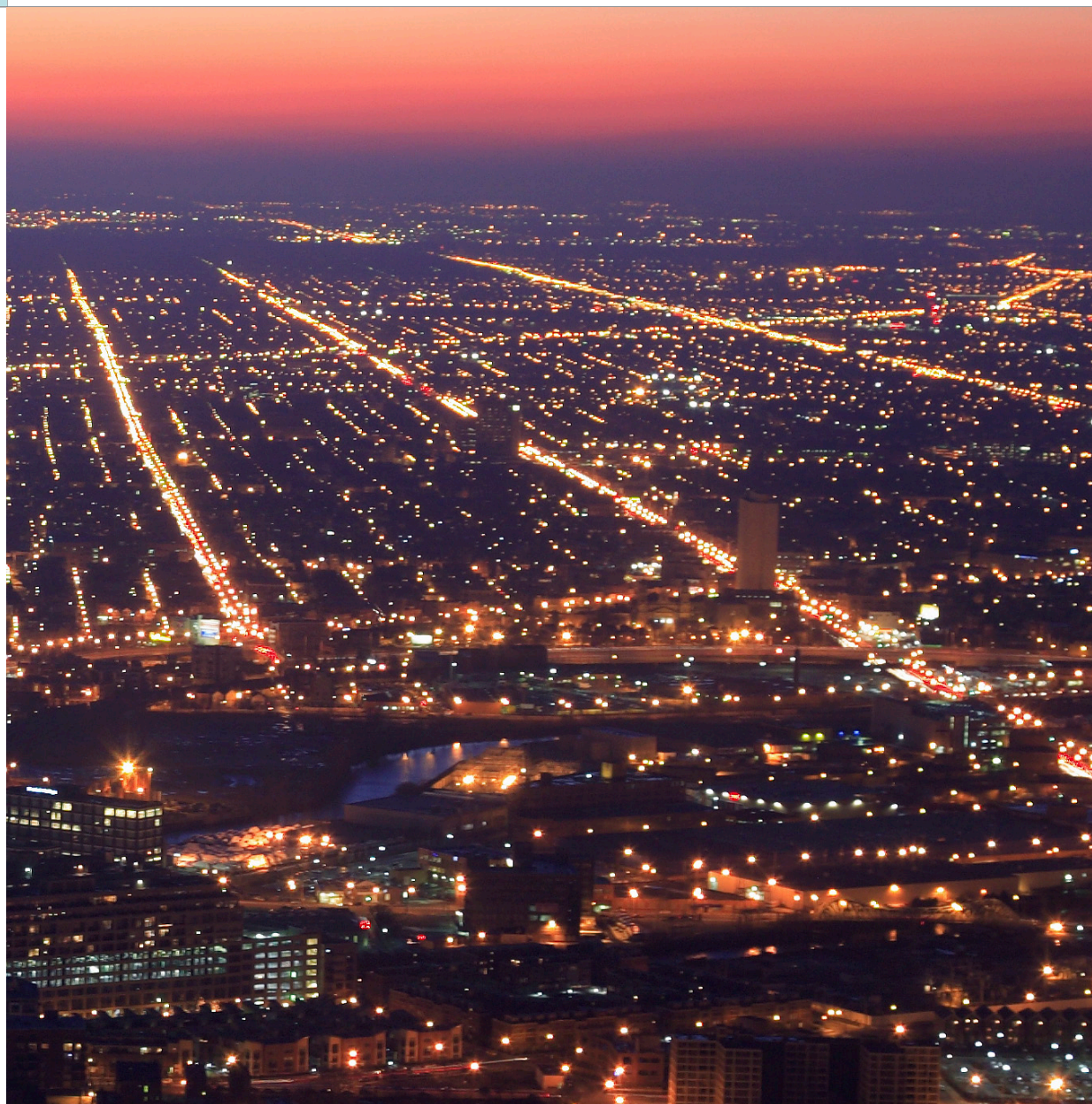




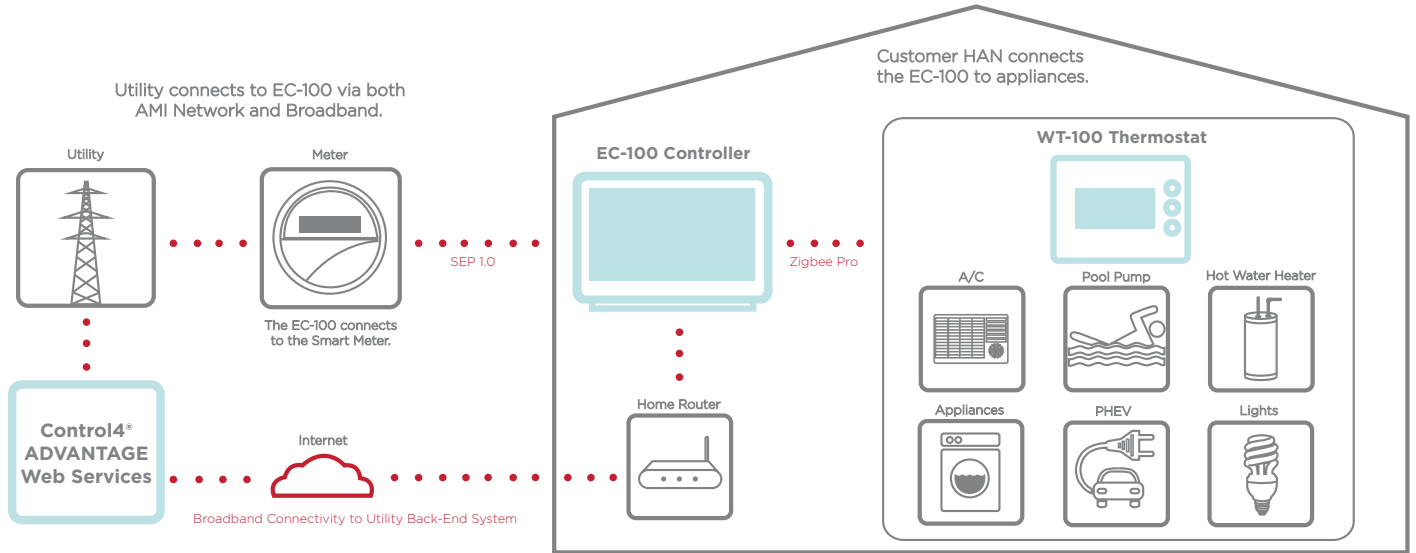
## The Control4® Energy Management System 100

Enhances the connection between consumers and utilities, exchanging rich data and insight for better home energy management and load control.



# The Control4® EMS 100

The Control4® EMS 100 helps utilities optimize load management, but was designed first and foremost with the consumer in mind. The solution delivers an engaging in-home experience that exchanges up-to-the minute consumption data between customer and utility and provides intelligent automation and control of smart devices throughout the house. The EMS 100 was built on an open, standards-based platform to simplify integration with utility-owned back-end systems.



The Control4® EMS 100 package includes **Control4 ADVANTAGE** software for communication and data exchange between the utility and home area networks; the **EC-100** energy controller for in-home feedback and communication with any smart device on the home area network (HAN); and the **WT-100** thermostat programmed by the EC-100 and provisioned for automated utility load control.

## Energy Management in the Home

The Control4® EC-100 energy controller and WT-100 thermostat let consumers reap immediate benefits from utility Smart Grid initiatives. The EC-100 communicates with utilities to allow consumers to participate in demand response (DR) or automated load management programs. Customers can use the EC-100 to opt-in to utility incentive programs or manually override demand response events and trust that their preferences will be retained every time.

### Information is Good

The EC-100 connects to any utility meter to deliver real-time electricity consumption information to customers. It features at-a-glance feedback presented in bold, full-color graphics on a touch screen display. A robust analytic engine transforms metered data into useful insight for consumers: electricity use by device category, pricing information, energy cost comparisons, and relevant energy-saving tips.

### Control is Better

Consumers can use the EC-100 to program the WT-100 thermostat, regulating home heating and cooling in response to utility load control events or prices signals. The EC-100 also connects to smart plugs or load controllers on the home area network, so customers can automatically control virtually any device or appliance in the home.

### Engagement is Key

The EC-100 keeps customers interested and engaged over time. With the 4Store™ application marketplace, consumers can choose to download additional applications, weather feeds, social comparison widgets and more.



# Giving Utilities an ADVANTAGE

The brains behind the Control4® EMS 100 is Control4® ADVANTAGE, the web services software that exchanges data between utility back-end systems and home area networks. ADVANTAGE works with Smart Grid communications, enterprise software and metering solutions to deliver insight to both utilities and consumers.

## Optimize Load Management Data

ADVANTAGE collects granular customer usage data by device, quantifies usage and cost savings for reporting, feedback and incentives and integrates the data into utility-owned load management, demand response or other back-end systems.

## Load Management at Any Scale

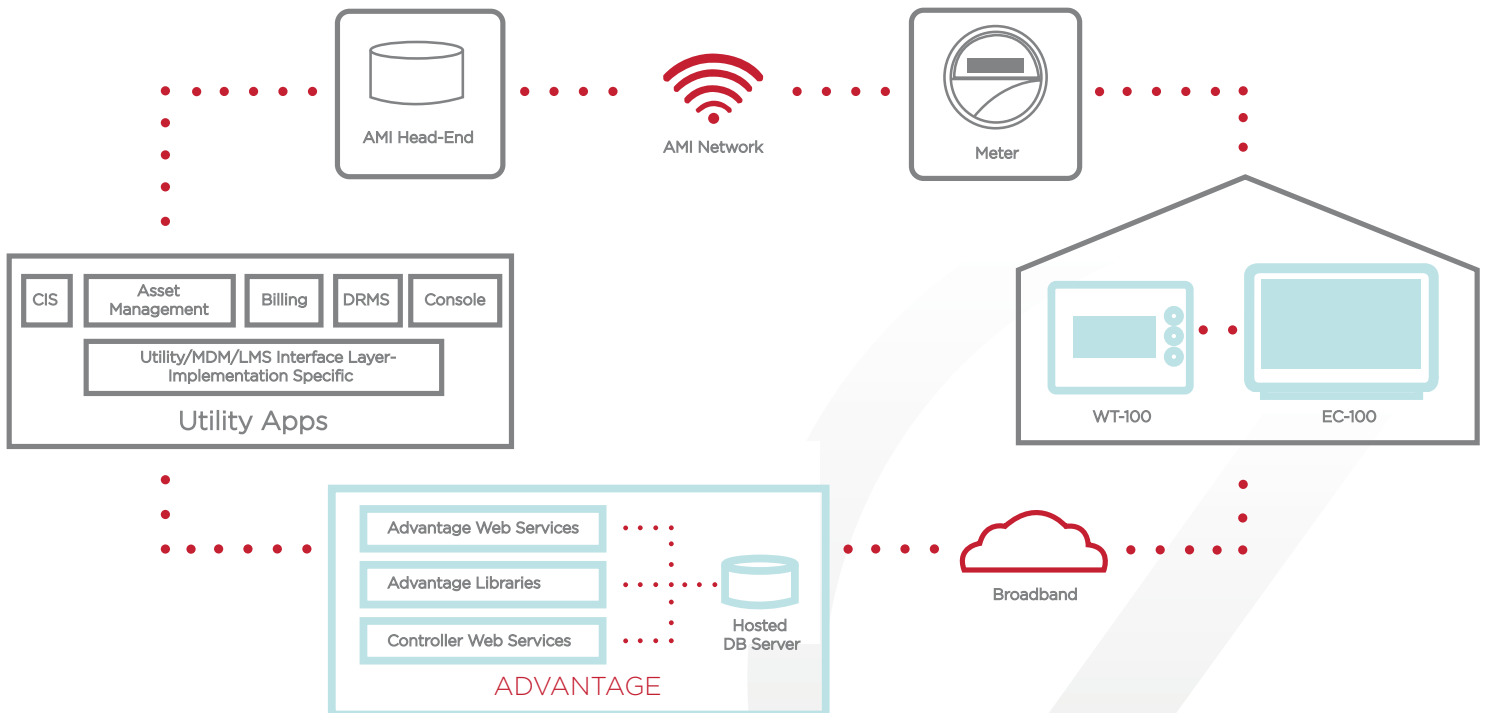
ADVANTAGE tracks and manages customer actions in real time and can update an entire network of HAN devices with over-the-air software upgrades.

## A Custom Solution

EMS 100 is a fully customizable platform that enables utilities to develop unique applications for specific customer requirements.

## Key Features of Control4® ADVANTAGE

- Seamlessly integrates data into utility owned load management and demand response management systems
- Drives the exchange of valuable, actionable information between households and utilities.
- Accesses disaggregated household consumption data (by device) for rich insight beyond the meter.
- Monitors and updates HAN devices and appliances remotely across thousands of households.
- Brings the benefits of the Smart Grid to utility customers, whether or not they have a smart meter.



Whether a utility relies on a demand response management, load management or other enterprise solution on the back-end, Control4 can simplify and optimize HAN implementation with ADVANTAGE web service APIs.

We have long held the view that the promise of the Smart Grid can only be attained if the consumer is front and center in the design of demand response systems.

Control4 understands what consumers want when it comes to managing their home environment—in fact, we've been helping them do it for years. People have used our products to automate and control their entertainment systems, lighting, security, and temperature since 2005.

The EMS 100 has been designed to facilitate a two-way conversation between utilities and their customers. Consumers will have options for managing home electricity consumption that fits with their lifestyle and priorities. Utilities will have an in-home platform to make the grid more reliable and efficient. A true win-win.

*Standards Supported: ZigBee SE v. 1.0, ZigBee Pro, Linux 2.6 Adobe Flash Lite, Open SSL and Open SSH, WiFi Certified b/g, mini-USB, H.264 MPEG-4/AVC*



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