

# We make data **big.**<sup>TM</sup>

These days, everyone's making a big deal of big data. But the fact is, Automated Logic has been putting analytics to work in buildings for more than 30 years. We design and develop intuitive, intelligent, complete controls and interfaces that make it easy for building owners and managers to balance efficiency with occupant comfort. And in making it simpler to use building information and analytics to drive smart decisions, we make data **big**.



For over three decades, Automated Logic has been producing high-quality building automation systems. We are part of UTC Climate, Controls and Security, a unit of United Technologies Corporation, a leading provider to the aerospace and building systems industries worldwide. More information can be found on [www.utc.com](http://www.utc.com).



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Assembled in the USA

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## AUTOMATEDLOGIC

United Technologies

We make data **big.**<sup>TM</sup>

Next level building automation engineered to help you make smart decisions.

04062016

1150 Roberts Boulevard, Kennesaw, Georgia 30144  
770-429-3000 Fax 770-429-3001

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Next level building automation engineered  
to help you make smart decisions.



# WEB-BASED BUILDING AUTOMATION SYSTEM



In today's buildings, the power of an innovative, easy-to-use  
automation system is a **big** deal.



# WebCTRL® Building Automation System

**The power is in the platform.**

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Since its beginning, Automated Logic has focused on one objective: developing innovative building automation systems with the latest technologies to offer operational freedom, flexibility and ease of use. Now more than ever, the WebCTRL® building automation system brings that objective to life—in a **big** way.

**The WebCTRL® system is much more than simple building automation. It is a powerful web-based building automation platform with software tools that help you keep occupants comfortable, manage energy conservation measures, identify key operational problems and analyze the results.** And, best of all, this can all be done anytime/anywhere, through a variety of Internet devices, from desktop PCs to web-enabled cell phones.

- Powerful, comprehensive building management with intuitive, point-and-click graphical access
- Dynamic color floor plans convey a quick understanding of building conditions
- Customizable graphics, schedules, trends, reports, and alarms
- Inherent WebCTRL Environmental Index™ tool for measuring, analyzing, and comparing comfort conditions against setpoints, helping you balance comfort with efficiency
- Powerful WebCTRL Time-lapse™ graphics for analyzing and troubleshooting up to 24 hours of past building operation
- Built-in Fault Detection and Diagnostics (FDD), to help anticipate, provide insight, and automatically respond to building issues



# Our thinking behind the WebCTRL® Building Automation System?

**In building automation, open standards mean open possibilities.**

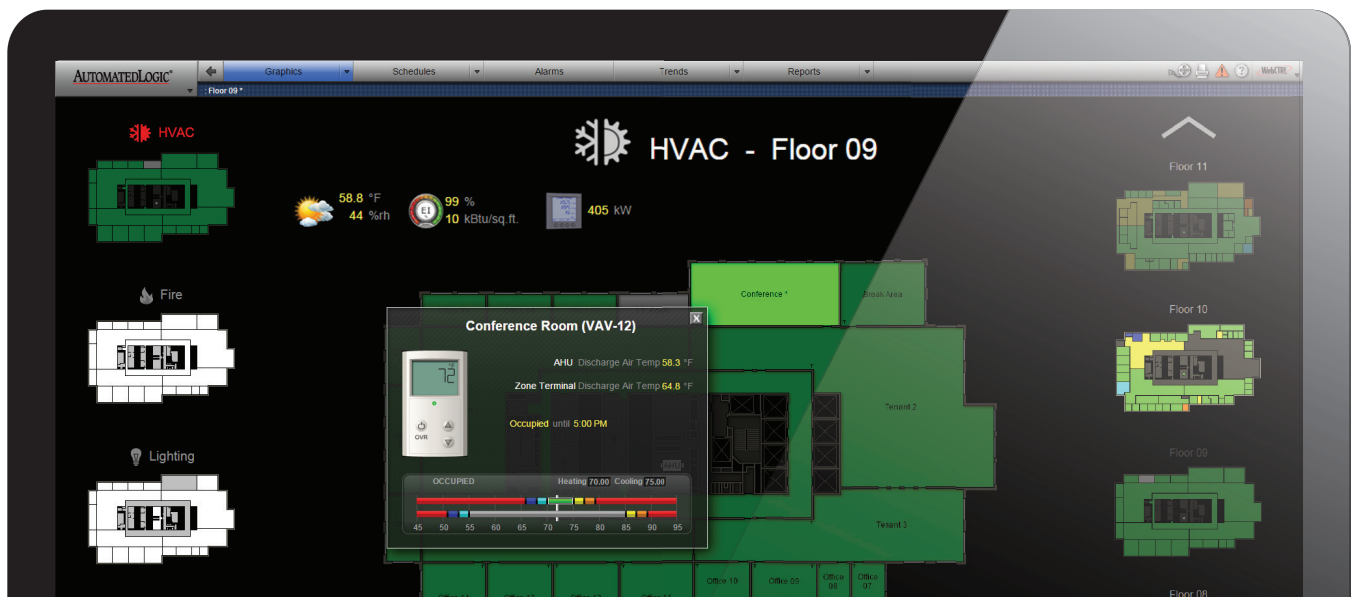
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The Automated Logic commitment to open standards is front-and-center with the WebCTRL® building automation system. Only open standards can take full advantage of the latest web technologies, enabling WebCTRL systems to offer end-to-end operating freedom.

WebCTRL systems support major communications protocols, including BACnet, LonWorks®, Modbus® and SNMP. With its ability to run on Java2-compliant server platforms such as Windows®, Redhat Enterprise Linux®, and Ubuntu, the WebCTRL system can operate with many JDBC-compliant databases, including MS Access®, MySQL, MS SQL Server, PostgreSQL and Oracle®. WebCTRL systems can easily share data with enterprise or third-party systems to accomplish a range of tasks, including:

- Generation of bills for tenants' off-hours usage
- Automatic generation of building systems' maintenance work orders
- Demand reduction, by participating in energy rebate programs using the OpenADR® 2.0 protocol

With these capabilities and more, you can configure, network and manage building control systems in ways that best serve your operating needs and budget.



The WebCTRL® building automation system gives you the ability to understand your building operations and analyze the results. The WebCTRL system integrates environmental, energy, security and safety systems into one powerful management tool that allows you to reduce energy consumption, increase occupant comfort, and achieve sustainable building operations. Our web-based system allows building managers to control and access information about their HVAC, lighting, central plant and critical processes on premises or remotely at any time of day.

# Building control can be complicated.

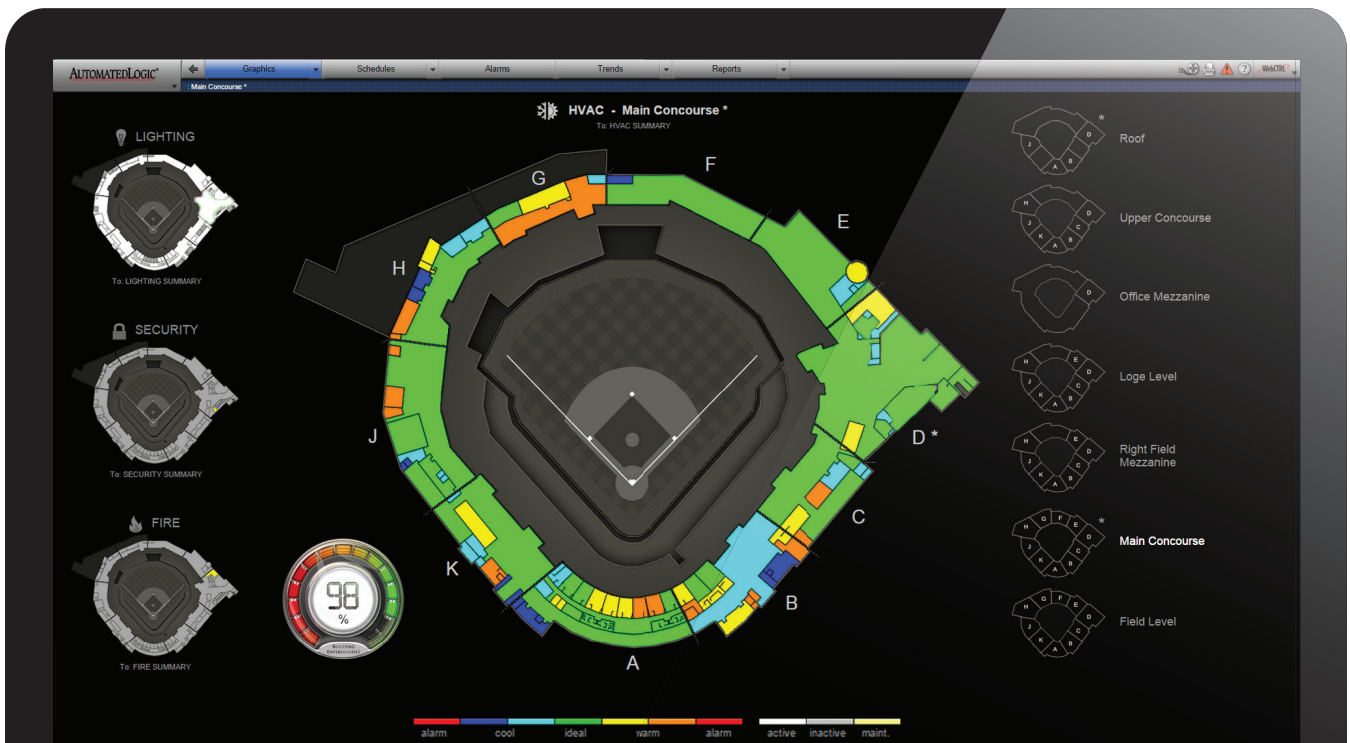
**We work harder to keep it simple.**

With flexibility and capabilities like ours, the WebCTRL® system takes the complexity out of web-based building automation.

The potential of the WebCTRL system is universal—literally.

It enables you to access your building automation system from anywhere in the world through a number of devices—including desktop computers, laptop computers, tablets and cell phones—equipped with up-to-date browsers. And without the need for add-on software.

That communications flexibility extends to its functionality as well. WebCTRL systems provide local to global energy management and control—from single-user, single-site to multi-user, multi-site, and even multi-server installations. The system easily interfaces with major electrical and mechanical subsystems including standby generators, lighting and fire systems, building elevator systems and more. Combined with its intuitive navigation and graphical user interface, the WebCTRL building automation system offers users efficiency and productivity all in one streamlined location.



# Save your energy— The features are all here.

The WebCTRL® building automation system not only helps you to save energy—it can also help save on expenses.

- **Power of Data Visualization** – Educate your audience by displaying live data such as current energy and water usage, indoor air quality (IAQ), outdoor air conditions, and much more. Show live data on floor plans—like energy use, temperatures or occupancy.
- **Power of Integration** – The WebCTRL system integrates building systems, including environmental, energy, security and safety systems, so they can all be managed through a single, web-based management tool.
- **Power of our Dealers** – Automated Logic's worldwide network of authorized dealers includes more than 170 field offices with proven experience in building automation, energy management and controls. This team, consisting of company branches as well as independently owned dealers, guides customers through the process of designing, engineering, installing and maintaining the WebCTRL system.

Unlike other systems, the WebCTRL building automation system provides powerful energy-saving and analytics features that are fully integrated at installation.

- **Setpoint Optimization** – calculates optimum setpoint values based on actual operating requirements
- **Optimum Start** – assures comfortable settings at time of occupancy based on building conditions and system capacity
- **Demand Reduction** – allows utility suppliers to automatically and securely communicate with a building automation system to reduce energy demand during critical periods. We support the OpenADR 2.0a/2.0b protocol.
- **Time-lapse™ Graphics** – rolls back time, up to a 24-hour slice, playing back hours of real-time data in just minutes
- **Environmental Index™ Tool** – measures, analyzes and compares data, helping you balance comfort with efficiency
- **Fault Detection & Diagnostics** – measures, anticipates, provides insight, and automatically responds to system conditions that are not necessarily critical, but may be trending that way – all with the goal of improved operational performance.

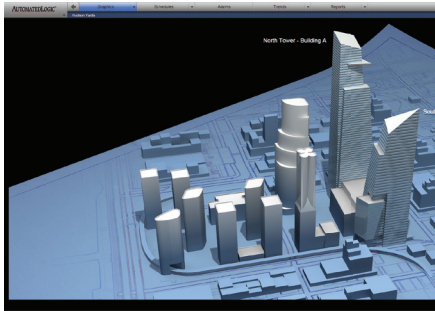


These energy-saving functions are combined with an abundance of other standard operating features.

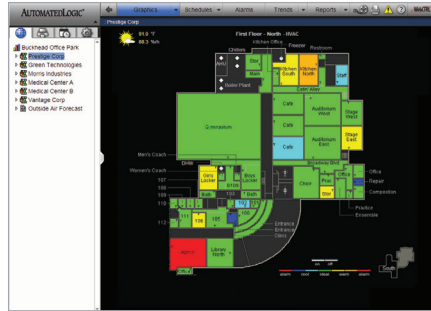
- **Thermographic Color Floor Plans** – convey a quick understanding of facility-wide comfort and operating conditions
- **Hierarchical and Group Scheduling** – supports customized, graphically displayed schedules for buildings, floors, zones or equipment groups to manage energy use with flexibility and ease
- **Trends and Scatter Plot Tools** – enables operators to track and troubleshoot building conditions
- **Logging/Reporting** – extracts and formats building data from a browser to Acrobat®, Excel® and other applications with a single click
- **Logical Alarming** – generates alarms and notifies users after specified events have occurred

# Intelligence has never been this intuitive.

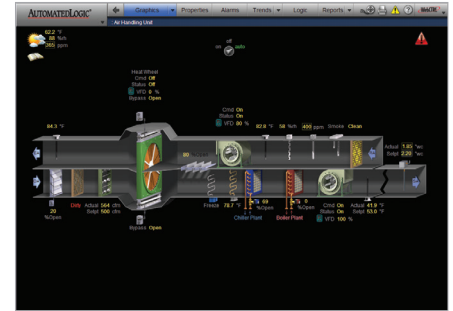
With the WebCTRL® system platform, the only thing better than the building automation features is how easy we make it to use them. Take a quick glance at some of our capabilities on display.



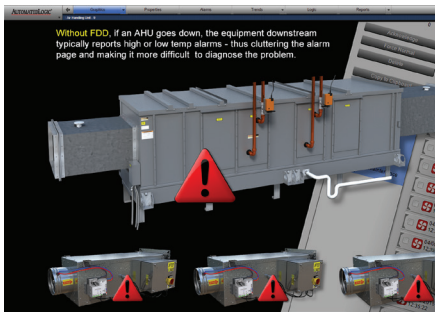
Control multiple buildings with secure browser access from anywhere in the world.



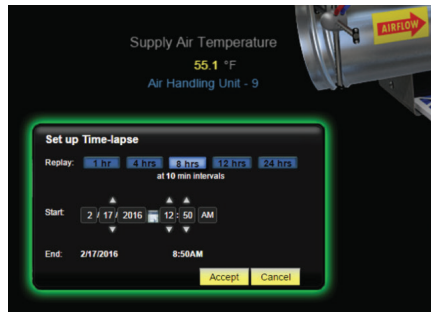
Immediately understand the of conditions in your building with WebCTRL thermographic floorplans.



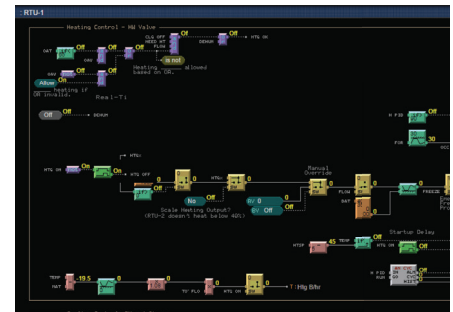
Define appropriate zone control setpoints with a simple graphical adjustment.



Automatically suppress downstream equipment alarms with WebCTRL Fault Detection and Diagnostics (FDD), making it easier to diagnose problems.



Review floor plans, equipment graphics, trending and alarms over a past period of time so you can quickly identify and resolve building control issues.



Diagnose problems, or simulate operational data to evaluate the performance of equipment with the WebCTRL EIKON® graphical programming tool.

Additional add-ons compliment the WebCTRL system and allow building owners to create reports and showcase information.

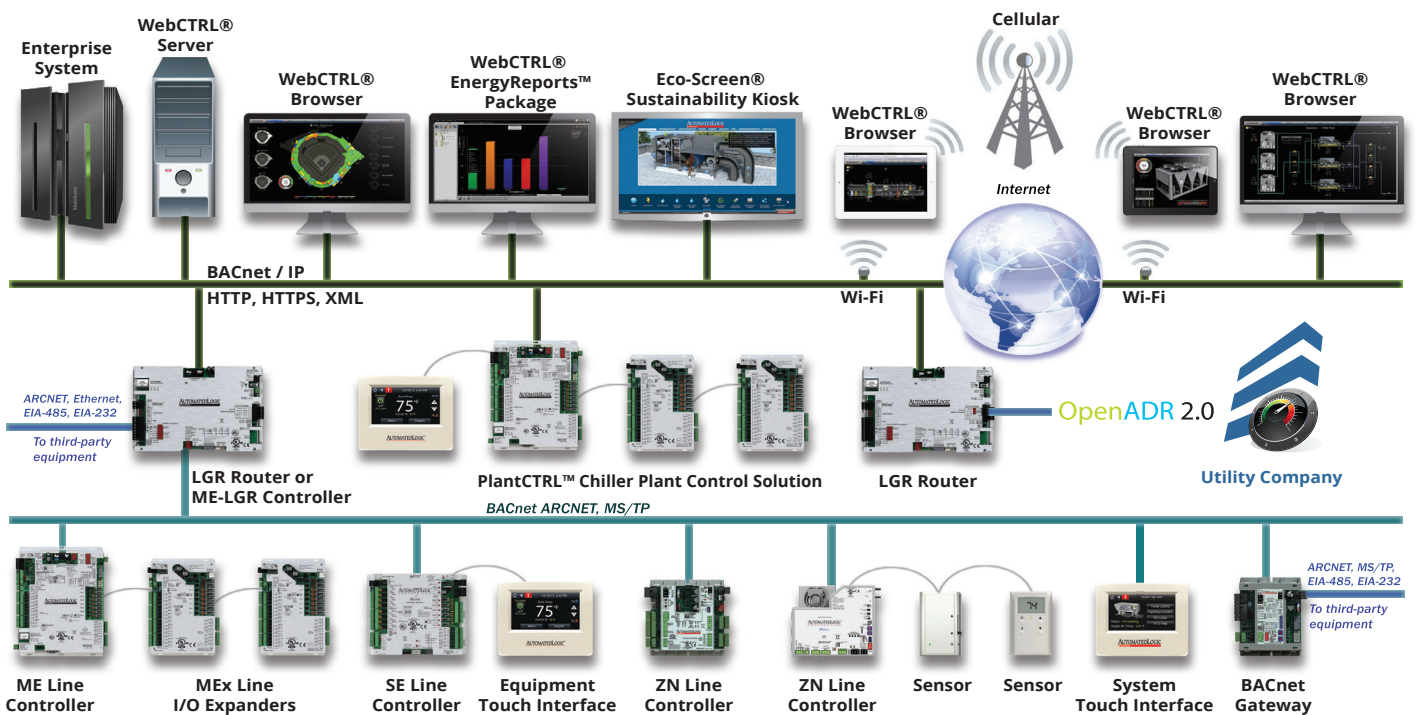


Compare energy consumption or demand over different time periods with simple drop-down menus and calendar control options with WebCTRL EnergyReports™ package.



Engage visitors with this interactive display to learn about your building's sophisticated operating system, highlighting your most innovative green building features with the Eco-Screen® sustainability kiosk.





# WebCTRL®

**See it for yourself!** For more information, including an on-site demonstration, contact your local authorized dealer, call us at 770-429-3000 or visit [www.automatedlogic.com](http://www.automatedlogic.com).