



As people around the world adjust to a new normal, the health of our buildings – and how they influence personal health – is top of mind for all. COVID-19 has highlighted what's important in the spaces where we live and work – indoor environments can play a critical role in public health.

Automated Logic offers a suite of healthy building solutions – advanced products, sequences of operation, and services that help deliver healthier, safer, more efficient, and more productive indoor environments. From the WebCTRL® building automation system and products that improve indoor air quality to remote management services for safe startup and ventilation in buildings, Automated Logic supports healthy buildings throughout their life cycle. Automated Logic's experts will work closely with you to design, maintain, operate, and sustain your buildings to help protect what's most important – the health of those inside.

## Our Healthy Building Solutions include:



**Communication Tools** that provide building occupants with real-time visibility into air quality metrics in their immediate area.

**Facility Management Tools** that help building operators manage occupant comfort, energy efficiency, and overall building health.

**Remote Diagnostics & Resolution Services** that allow our Automated Logic Experts to remotely manage your building's systems, providing a safe and comfortable environment for occupants with little or no visits to the site.

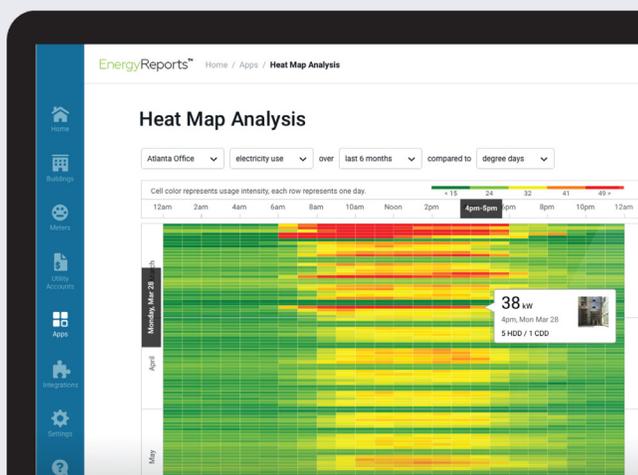
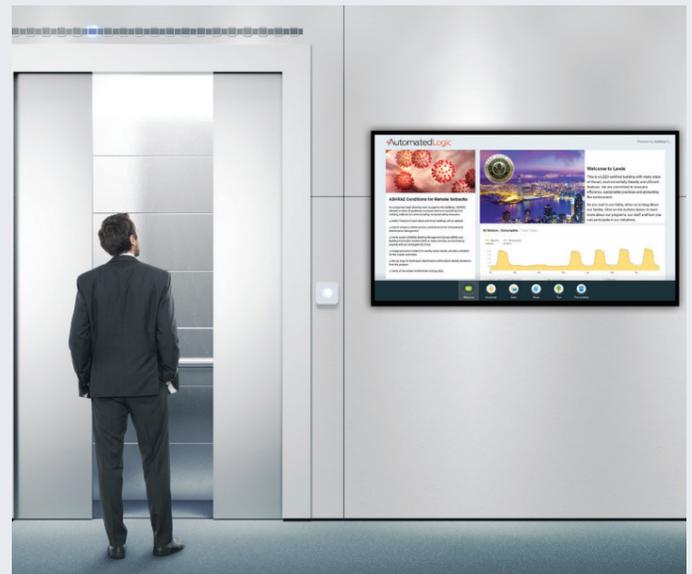
# Healthy Building Solutions

## Communication Tools



OptiPoint™ IAQ displays are wall-mounted, full color displays that provide building occupants with real-time visibility into indoor air quality metrics in their immediate area. Available in three sizes, they are fully customizable to show a choice of key air quality performance metrics.

The EnergyReports™ Eco-Screen® kiosk can be mounted in a building's common area to showcase the facilities' energy conservation and sustainability measures. Occupants and visitors can engage with the data and learn about the building's innovative, energy-efficient features.

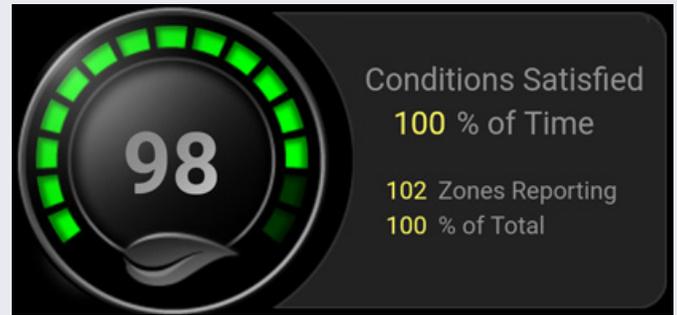


The EnergyReports™ Analytics® edition delivers advanced building portfolio analytics enabling faster, data-driven building performance decisions. Actionable insights, delivered via dashboards, help manage the health, comfort, energy and sustainability performance of an entire portfolio of buildings. Features like real-time drift maps and load profile analytics provide insights that can help reduce costs, save time, and track performance.

# Healthy Building Solutions

## Facility Management Tools

The **Environmental Index™** tool, a standard feature of the WebCTRL® system, enables building operators to manage critical air quality factors such as temperature, humidity, Volatile Organic Compounds (VOCs) and CO<sub>2</sub> levels. The tool uses all four metrics to compute a numeric “comfort” score, making it easy to understand building performance at a glance and take action if necessary.



**Time-lapse™** graphics, a standard feature of the WebCTRL system, allow building operators to look at floor plans, equipment graphics, trends and alarms over a past period of time to quickly identify, review and resolve building control issues.

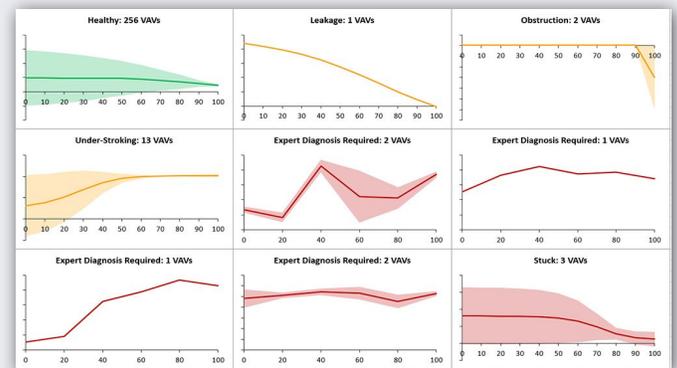


The **WebCTRL fault detection & diagnostics library** of control sequences, as described in ASHRAE Guideline 36-2018, provides sequences of operation for HVAC systems that help maximize indoor air quality, occupant comfort, energy efficiency, and provide real-time fault detection and diagnostics (FDD) for operators.



The **AC<sub>x</sub>elerate™** automated commissioning tool delivers confidence that the building’s air system is properly commissioned and that air is flowing properly.

The **AC<sub>x</sub>elerate** tool can run on-demand or on a schedule. Once initiated, it discovers all VAV terminal units and air handling units in the WebCTRL system and maps the necessary data points for testing. Next, a set of functional tests automatically exercises the dampers and reheat valves in the VAV system. The test data is then analyzed based on known physical behavior patterns and faults of VAVs, such as “stuck,” “over-stroking,” or “under-stroking” dampers and valves.

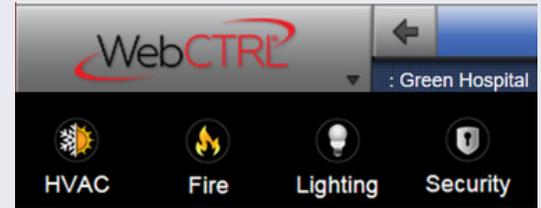


Upon completion of the functional tests, the **AC<sub>x</sub>elerate** tool delivers a report that is documented proof that the air system is functioning as designed.

# Healthy Building Solutions

## Facility Management Tools

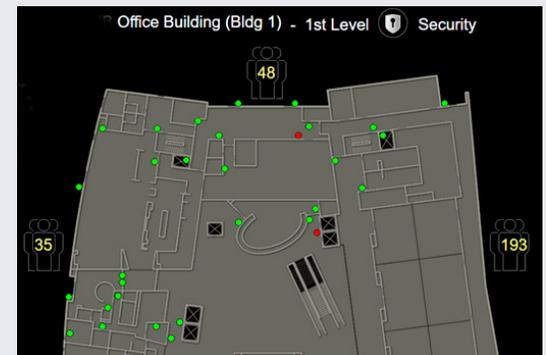
**Enterprise Integration** connects all your facilities, systems, and equipment seamlessly, providing centralized control with a single user interface. The WebCTRL® system make it easy to view and share data throughout the enterprise and beyond.



**Demand Control Ventilation** adjusts the amount of outside air in a space based on occupancy. This standard feature of the WebCTRL system results in superior indoor air quality, occupant comfort and energy savings.



**Security-Based Occupancy Sensing** provides real-time integration to access control systems such as the Lenel® OnGuard® system so that building occupancy can be determined based on access card swipes. Display live occupancy metrics in the WebCTRL system and manage heating, cooling, and lighting systems based on occupant location.



**Zone Occupancy Sensors** helps ensure optimal crowd management. Our sensors detect occupant presence to help increase ventilation, report alarms, and track real-time occupancy.



**Indoor Air Quality Sensors** monitor carbon monoxide (CO), carbon dioxide (CO<sub>2</sub>), pressure, humidity, and volatile organic compounds (VOCs) to optimize the use of HVAC systems, helping to ensure healthy air quality within the building.



# Healthy Building Solutions

The **WebCTRL® analytics suite** unlocks optimization opportunities within your building. Through various applications and services, the analytics suite helps organize and analyze data from the WebCTRL system, providing powerful insights that help increase efficiency, lower operating costs, and improve building performance.



**Predictive Analytics** By using artificial intelligence to compare building conditions to models based on ideal scenarios, the WebCTRL Analytics Suite can see deviations to predict failures and maintenance issues, and also pinpoint efficiency improvement opportunities.



**Asset Optimization** Find hidden opportunities to improve and optimize equipment with a system designed to dig deeper into building data, find inefficiencies, and ensure you're getting the most out of your investments.



**Advisory Services** An experienced team of experts at our Command Center is standing by to offer you a range of services designed for proactive maintenance and optimized energy usage in your facilities.

## A commitment to excellence that circles the globe



Automated Logic's global network of authorized partners is composed of system integrators with proven experience in building automation, energy management, and control. Our network of more than 250 company branches and independently-owned dealers guide customers through the process of designing, engineering, installing, and maintaining high-performance buildings.



*Contact your local Automated Logic office for solutions on how to improve the air quality, ventilation, and overall health in your buildings.*



HEALTHYBUILDINGS