

# LONG-TERM QUALITY CARE WITH HEALTHY ENVIRONMENT



## HEALTHCARE

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Building management systems can contribute to better living conditions and enhanced quality of life for residents

**ALERTON**

# PROTECT OUR MOST VULNERABLE

Long-term care residents are especially vulnerable to infections due to closed environments and compromised immune defenses. Each resident can face up to a 10% risk per year of acquiring infections<sup>1</sup> spread in acute-care settings through airborne and contact pathways<sup>2</sup>. What should you do to ensure a better environment for residents and maintain cost efficiency? You can invest in air quality, monitoring and control.

## CONTROLLING HVAC



Air pollution has a significant impact on older adults with more susceptible immune systems. Controlling the temperatures in a long-term care facility is also a concern as the elderly can suffer from health complications driven by variance in internal body temperature.

## CONTROLLING AIR QUALITY



Mechanically ventilated buildings naturally concentrate more pathogens than the outdoor environment, and the general advice to help prevent the spread of infectious disease is to supply as much outside air as possible and maintain stable directional pressure.

## CONTROLLING ACCESS



If there is an infectious outbreak, how do you keep your residents isolated from the general population for their safety? How can you manage contact to know which of your residents or staff may be carriers of the disease, or at more risk for becoming infected?

Alerton is a global building management systems company revolutionizing the way healthcare is being delivered.

<sup>1</sup> Ernst & Ernst, 1999

<sup>2</sup> Ulrich, Zimring, Joseph, Quan, & Choudhary, 2004



# ENHANCING RESIDENTIAL CARE THROUGH ADVANCED BUILDING MANAGEMENT SYSTEMS

Alerton Building Management Systems for healthcare helps bring your facility to peak shape, making sure that all HVAC systems are operating efficiently and every piece of equipment is optimized.



## Maintain airflow

Adequate fresh air exchange can support patient and staff comfort. Find out how Alerton actuators and economizers can help bring in the right amount of fresh air based on occupancy and environmental conditions, and help meet healthcare building regulations.



## Integrate building systems, cost effectively

Optimize building operations with improved data speed. With our VAV IP Controllers, schools are a part of an IP network, making their HVAC systems more capable and better protected than ever before. Smarter VAV control helps you achieve smarter automation and better cybersecurity. Our latest generation of VAV IP Controllers are your shortcut to smart VAV control.



## Control temperature

Maintaining the proper climate in your building improves patient comfort. Find out how our wall modules and commercial thermostats can manage temperatures in your healthcare facilities.



## Monitor and control your site remotely

Simplify facility management with cloud-based control that lets you monitor and manage building operations from virtually anywhere, even off-site and after hours. Get alerts and respond faster from mobile devices, centralized control of multiple sites, and make consistent operations more convenient to maintain throughout the year.



## Balance humidity

Abnormal humidity levels can foster an unhealthy environment for students and staff. Humidity sensors can help manage and maintain comfortable humidity levels for your school building.



## CLEAN ENVIRONMENT CAN CONTRIBUTE TO:

- Improving the residents experience
- Increasing staff productivity
- Reducing cross-contamination
- Maintaining consistent comfort levels
- Increasing staff retention



The elderly can have weakened immune systems and age-related health problems, which make them more vulnerable to health complications associated with indoor air pollution...That makes enhanced indoor air quality a critical contributor to their health and well-being at long-term living facilities.

**Gail Vittori**

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