

One technology is poised to disrupt the long-term care industry for the 2020s

## LifeAire Systems protected memory support floor over 15 months and delivered 39.6% reduction in facility-acquired infections!

LifeAire is a proven, purposed and patented air purification technology like no other. Infectious pathogens can remain airborne for hours to several weeks. LifeAire's advanced airborne pathogen kill system eliminates the most infectious pathogens, including COVID-19, C. diff, tuberculosis, pneumonia, influenza, and others in a single pass. It is the only system developed to provide 24x7 kill/remediation of all airborne bacterial, fungal, and viral pathogens responsible for facility acquired infections (FAIs) and illness during the live operation and presence of long-term care staff and residents – proven viable technology reducing the transmission of harmful airborne pathogens which mitigates the risk of disease transmission. The technology also comprehensively remediates harmful volatile organic compounds (VOCs).



It has consistently outperformed all other leading purification technologies by a considerable margin and has now proven itself delivering game-changing metrics to FAIs and staff call-outs.

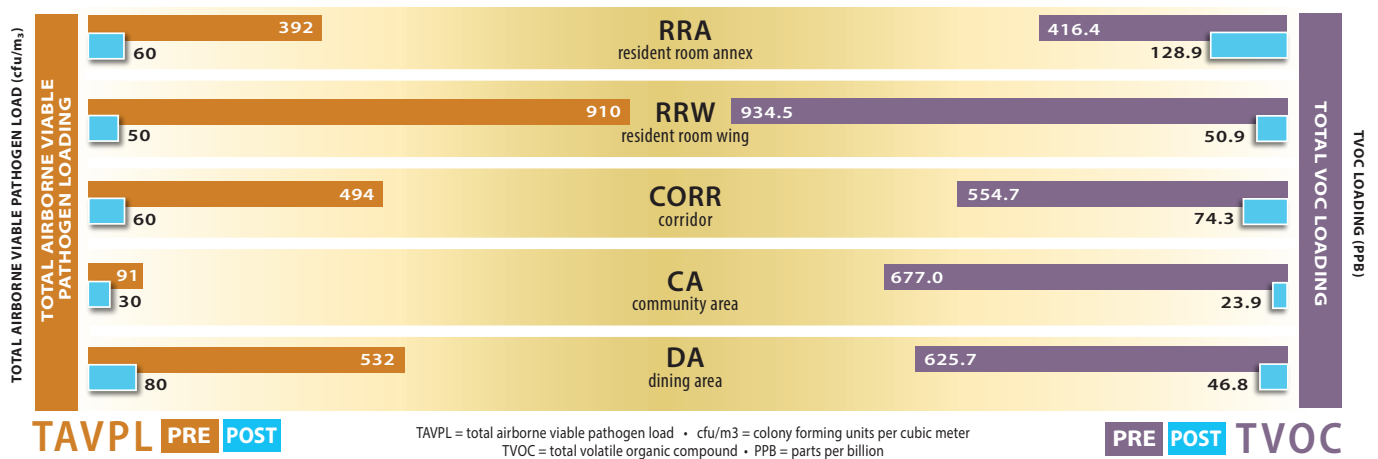
### **Could controlling air quality reduce facility acquired infections and staff-call outs? Yes!**

A leading long term care facility in Pennsylvania installed LifeAire Systems on a memory support floor for a 15-month IRB-approved study. The study floor was compared to a control floor of similar etiology residents with standard high efficiency particulate air (HEPA) filtration only. The goal was to determine the impact of ultra-purified air, essentially free of harmful airborne bacteria, fungal and viral pathogens and chemical contaminants on environmental and clinical metrics.

The results show unprecedented statistically significant findings reported for the first time – demonstrating comprehensive removal of bacterial, fungal and viral pathogens and VOCs responsible for illness and infections, a significant variable responsible for FAIs.

# Airborne and Surface Pathogen and VOC Levels During the Study

## Study Floor Pre- Versus Post-Installation



## Environmental Impact

- Reduction in airborne biological, fungal and viral load (88.43%)
- Reduction in infectious surface fomites (96%)
- Reduction in airborne chemical contaminants or VOCs (89.88%)
- Removal of a significant source of infectious pathogens
- Protection of staff from airborne pathogens (pneumonia, influenza, RSV, TB, MRSA)

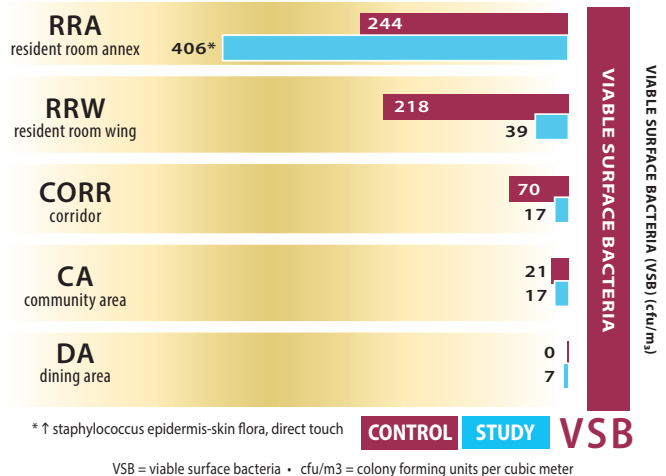
## Clinical Impact

- Decreased FAIs (39.6%)
- Reduction in staff call-outs (47%)
- Direct impact on resident wellness and quality of life, quality measures, preferred provider ratings, increased referrals, market differentiation, citation reductions, staff costs and reduced admissions of residents to hospital for FAIs

## The LifeAire System's Technology: Purposed, Proven and Patented

- Design based upon 15 years of clinical and air testing outcome data – to solve a significant problem
- Kill/remediation of ALL airborne bacterial, fungal and viral pathogens and VOCs responsible for illness and FAIs
- No loss of clinical space during operation
- Delivers chemical and biological contaminants at below detection levels on a single pass at reduced ACH
- Extensive third-party testing and peer-reviewed publications
- No byproducts, ozone or intermediate molecules produced

## Control versus Study Floor Post-Installation



## Other LifeAire Systems Installations Include:

- Mayo Clinic
- Stanford University Medical Center
- UCSF Medical Center
- Northwestern University Medical Center
- University of Connecticut Health Center
- Wake Forest Medical Center
- University of Iowa Hospital
- Yale University Medical Center
- University of Massachusetts
- St. Luke's University Health Network

**The LifeAire System can be easily retrofitted or newly designed into your air handling system.**

**Contact us for a consultation.**