

# Case Study

## Air Purification, Infection & Odour Control



### PureAir Reduces Sickness and Increases Freshness



### Sunrise Senior Living - Eden Gardens Assisted Living Community

Eden Gardens is a senior living community specializing in Alzheimer's assisted living. The community is a part of Sunrise Senior Living's family of senior care communities.

### Challenge

Eden Gardens was struggling to maintain a fresh and healthy environment in their assisted living community.

In particular, their Alzheimer's unit was losing an average of three residents per month due to dissatisfaction over the air quality or illness, such as pneumonia. This represented a £60,500 loss, or more than 100% annual turnover in residents each year.

### Solution

The PureAir Series from Airius is a brilliantly simple system.

By adding air purification cells to our patented destratification fans, our customers can reduce airborne contaminants and also bacteria and viruses on surfaces. The fans also eliminate many volatile organic compounds, which creates a fresh-smelling environment without the need for chemical cover-ups.

### Results

Eden Gardens were delighted at the results the PureAir system delivered:

- 0 deaths due to communicable diseases
- £60,500 increase in revenue
- £3,300 saved on chemical air fresheners
- Increased waiting list
- 0 cases of pneumonia
- £8,700 saved in avoided refurbishment costs
- Reduction in staff illness

### Testimonial



## EDEN GARDENS

AN EDENCARE ASSISTED LIVING COMMUNITY

Dear Jo:

Thank you for introducing us to your amazing air purification systems. EdenGardens has had tremendous results from using your system.

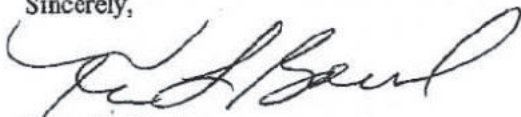
Before we installed your system, the Alzheimer's unit was losing an average of three (3) residents a month, due to dissatisfaction because of urine smell or illness, such as pneumonia. This was approximately a £60,500 LOSS, or more than a 100% turnover in residents every year.

Since installation of your system

- Revenue has gone UP by £60,500/year and our profit margins have increased significantly.
- We have saved over £8,700 by not having to purchase carpeting and mattress replacements.
- We have saved over £3,300 on chemical "mists" to cover up odors.
- There have been NO cases of pneumonia, and no deaths due to communicable illness.
- We now have a waiting list of residents equal to 25% of our capacity.
- Our marketing team finds it very easy to "sell our property", because it smells fresh and clean and our residents are healthy. Our prospective clients and their families comment on how fresh, clean and free of odors our facility is. They say this is a major reason why they chose EdenGardens. In fact, just today a perspective resident's son stated how fresh and clean our facility smelled.
- Our staff has experienced less illness and sick days; we do not have a "call in" problem.
- The staff who work in the other wings of our facility have ALL requested to work in our Alzheimer's unit because of the fresh smells and lack of illness in the residents and staff.

I would recommend this system to every senior living facility, and/or nursing home!

Sincerely,



Karen L. Bowles  
Executive Director

CARING FOR MIND, BODY AND SPIRIT



## PureAir Technology Explained

### How does the PureAir Series PHI Cell kill bacteria and viruses in the air and on surfaces?

The PureAir Photohydroionisation (PHI) Cell is a kind of UV light that emits advanced oxidation plasma. Included as part of a fan system, the PHI cell distributes hydro-peroxides, superoxide ions and hydroxide ions throughout the space, neutralising 99% of micro-organisms in the air and on surfaces.

PHI cells produce a group of oxidants known as hydroperoxides. Far from new to our world, hydroperoxides have been around for 3.5 billion years – and today they are commonly used in air purification environments, where they offer an anti-microbial treatment without leaving chemical residues.

## Benefits of PureAir Technology

Choosing an Airius PureAir Series destratification fan is a simple way to reduce bacteria, viruses and odours in your environment.

- Continuous air purification benefiting air and surfaces
- Easy to install in any environment
- Kills more than 99% of bacteria and viruses
- Reduces odours by over 99%
- Reduces gases, vapours and VOCs by over 80%
- Kills 78% of microbes in human sneeze at 3 feet



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### Tested and Approved by Leading Agencies



Multiple studies have been conducted on Airius PureAir Series PHI Cell technology and they are widely approved for use to control airborne and surface-based bacteria, viruses, smoke and odours.

- Approved by the USDA, FSIS and FDA for use in food processing plants
- US military approved for use in field hospitals
- Chinese government approved for use in controlling the SARS virus
- Testing carried out by:

- Kansas State University
- Midwest Research Institute
- NELAP Accredited Independent Labs - The NELAC Institute
- California Microbiology Center
- IBR Laboratories
- University of Florida
- United States Air Force
- R&D Labs
- University of Cincinnati
- Kane Regional Hospital
- FEMA
- NEI-Chinese Government

## Contact Airius

Airius fans are commonly used to balance temperatures in a wide variety of environments – from care homes to warehouses.

Adding an Airius PureAir Series destratification fan is a simple way to continually clean the air, creating a safer and healthier environment for your residents, colleagues and visitors.

**Contact Airius to learn more >>**