



## Airius PureAir: Infection Prevention at Home

### Seoda Fitzgerald - Midlands

Seoda Fitzgerald is a School teacher in the Midlands who wanted an extra level of protection to prevent the possible transmission of COVID19 from her partner, who works in a Dublin Hospital, to her students.

### Challenge

As a primary school teacher Seoda has been working hard during the pandemic to ensure the safety and welfare of her pupils and fellow staff. Her main concern was that her fiancée, who recently graduated and was now working as a Doctor at Mater Hospital in Dublin, may contract COVID19. If he was asymptomatic, he may pass the virus on to her, which she may then take in to the school.

### Solution

In response to these growing concerns Seoda researched a wide range of purification systems and selected the Airius PureAir system as it provided both air and surface purification. Working with a local contractor Seoda arranged for Ermen Systems to supply and install the system as soon as possible. The unit was fitted seamlessly within their roof space in a matter of hours, providing immediate protection.

### Benefits

The effect of the Airius PureAir Home Series may not be visible, but the results are profound:

- Reduces chances of virus transmission to pupils
- Provides continuous 24/7 purification
- Protects against 99% of communicable illnesses
- No more unpleasant odours or VOCs
- 99.9% effective at neutralising COVID19
- Airborne & surface protection
- Significant reduction in allergens
- Efficient airflow has improved home comfort

# Case Study

## Air Purification, Infection & Odour Control



## Results

Prior to installation Seoda carried great concern for her students, aware of the potential transmission link from her fiancée at the hospital, who was exposed to COVID19 and numerous other diseases on a daily basis, to the children at her school. However, Ermen Systems were able to install the PureAir system with a day providing Seoda with instant peace of mind. The Positive Input Ventilation benefits of the system also prevents damp and mould issues, protecting their home as well as their health.

## Testimonial

***“I am a primary school teacher living and working in the Midlands. Recently my fiancée graduated as a doctor and is now working in the Mater hospital in Dublin. With my job, I am fearful of bringing COVID19 and other illnesses into our school and potentially infecting colleagues and children.***

***We installed the Airius PureAir in our home in order to prevent the spread of illnesses in the case that my partner was asymptomatic. I now feel much more comfortable going to work knowing that Airius PureAir has disinfected all surfaces and air it has come in contact with.”***

Seoda Fitzgerald - Home Owner



## PureAir Technology Explained

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

The PureAir Photohydrolysis (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, super-oxide 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 hydro-peroxides. Far from new to our world, hydro-peroxides have been around for 3.5 billion years – and today they are commonly used in food processing environments, where they offer an anti-microbial treatment without leaving chemical residues.

## Benefits of PureAir PHI Technology

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

- Continuous purification of air and surfaces
- Easy to install in any environment
- Kills up to 99%+ of bacteria, germs and viruses
- Reduces gases, vapours and VOCs by up to 99%
- Reduces odours by up to 72%



# Case Study

## Air Purification & Ventilation

### 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 and FSIS 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 purify air and balance temperatures for both heating and cooling applications in a wide variety of environments – from homes to warehouses.

Adding an Airius PureAir Series air purification, infection and odour control ventilation fan is a simple way to continually clean the air, creating a safer and healthier environment for your facility.

**Contact Airius to learn more >>**