

Case Study

Air Purification & Ventilation



As Seen On National News



Airius PureAir: Protecting Guests at Exclusive Venue



Casa Salgueiro - Events & Wedding Venue

Located just outside the city of Porto, Portugal, Casa Salgueiro is an exclusive and stylish Wedding and Events Venue with over 100 years of history, providing capacity for up to 250 guests.

Challenge

In preparation for reopening after the COVID19 pandemic lockdown and to be among the first to provide their guests with the new standard in building air quality systems, the management team at Casa Salgueiro made plans to invest in an air purification solution. They also wanted to find a solution that would improve air circulation and provide cooling benefits in the Portuguese climate.

Solution

After reaching out to the management team, Airius visited the clients venue to carry out a free site survey and system specification. PureAir units were specified for installation in each of the function rooms, which were fitted by the clients contractor within a day. Units were positioned to provide optimum purification coverage and airflow movement, but without causing uncomfortable draughts.

Benefits

The benefits of the Airius PureAir Series may not be visible, but the results are remarkable:

- 99.9% effective at neutralising COVID19
- Continuous 24/7 protection
- Provides reassurance for Guests and Staff
- Increased airflow circulation dries spills quickly
- Neutralises up to 99%+ of all germs & viruses
- Purifies both the air & all surfaces in the space
- Removes unpleasant odours
- Also provides air circulation comfort cooling

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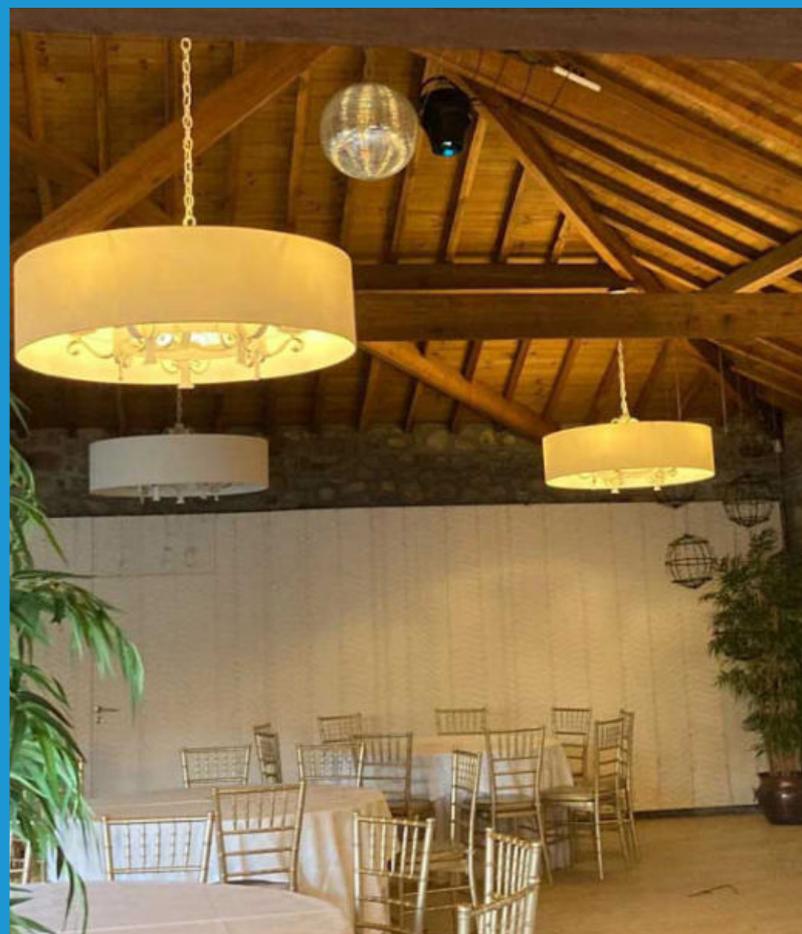
Air Purification, Infection & Odour Control

Results

Not only are the management team confident that staff and visitors are now protected from COVID19 by the Airius PureAir System, but customers have been amazed and overjoyed that they can provide a virus-free space for their guests, adding significant value to the venue's service and the customer experience.

In addition, the airflow movement supplied by the PureAir fans, which can be increased or decreased to suit the season, ensures guests are kept cool in Summer and warm in Winter. This avoids the expensive capital costs of using an equivalent air conditioning system.

Casa Salgueiro's PureAir installation even gained the attention of nationwide news program, 'Jornal da Tarde', who supported the use of the Airius PureAir system in the battle against COVID19.





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%



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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 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 >>