

Case Study

Air Purification & Ventilation



Airius PureAir: Virus Protection in Consulate

Consulate General of the Republic of Bulgaria - Barcelona & Valencia, Spain Bulgarian Embassy in Madrid, Spain

The Consulate General of the Republic of Bulgaria selected Airius PureAir Technology to ensure the safety of the staff and visitors alike in their Embassy's.

Challenge

The consulate were looking for a tested and cost efficient solution to minimise the threat of COVID19 in their facilities, especially after they were informed that a visitor to the Barcelona office had tested positive for the SARS-CoV-2 virus.

Their main priority became securing staff and visitors in their buildings against the transmission of COVID19 and other pathogens, as well improving overall IAQ.

Solution

The PureAir system was initially installed into the Barcelona Consulate, where no new COVID19 Cases were reported a month after exposure. These impressive results and the drastically improved air quality were the reason that Airius PureAir was immediately referred via diplomatic mail for installation to all 280 international diplomatic missions in Spain.

The PureAir system has now already been installed into the Embassy in Madrid and Valencia Consulate.

Results

The effect of Airius PureAir Series may be invisible, but the results are unmissable:

- Continuous 24/7 protection
- 99.9% effective at neutralising COVID19
- Significantly improved ventilation
- Significant reduction in allergy symptoms
- Airborne & surface purification
- Shields surfaces with an invisible protective barrier
- Removed mould, damp & condensation problems
- Old problem odours removed

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Testimonial

RE: Airius PureAir Installation - Consulate General of the Republic of Bulgaria in Barcelona, Kingdom of Spain

Ensuring that the Consulate was a safe environment for staff and occupants has been at the top of our agenda during the global pandemic, but this was made even more critical when we were informed that a recent visitor had tested positive for COVID-19.

In response to this and to provide the highest level of protection to our occupants we selected the Airius PureAir system, because it cleans both the air and surfaces at the same time. It was also simple and quick to install.

It has now been over 2 weeks and we are extremely happy to report that we have not had any confirmed COVID-19 positive tests. It is without doubt that this is due to the air and surface disinfection and purification from the Airius PureAir system.

I highly recommend the Airius PureAir 24/7 active disinfection system as a way to protect your staff and visitors.

General Consul: Tsvetelin Rumenov Tzolov
/Head of the Mission





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 RGF 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 balance temperatures in a wide variety of environments – from care homes to warehouses.

Adding an Airius PureAir PHI 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 >>