



### Airius PureAir: Commercial Office Purification



### EPL cond - Security System Design, Installation & Maintenance

EPL cond is a leading provider of Security and Communication systems, Electrical Engineering and Construction services in the Czech Republic, specialising in the development of biometric technologies.

### Challenge

Providing a safe environment for staff and visitors at their main base of operations in Prague was a key area of investment for EPL cond in response to the COVID19 outbreak. Not only to ensure that occupants were protected against person to person transmission, but also to equip their commercial office facilities with a system that would enable them to return to business as rapidly as possible.

### Solution

After meeting with their local Airius representative and receiving a free survey of their building, the management team from EPL cond was so impressed with the benefits of the PureAir system, in particular its continuous active purification and ability to clean both the air and surfaces, they chose to install the system throughout their entire facility, including meeting rooms, corridors and stairwells.

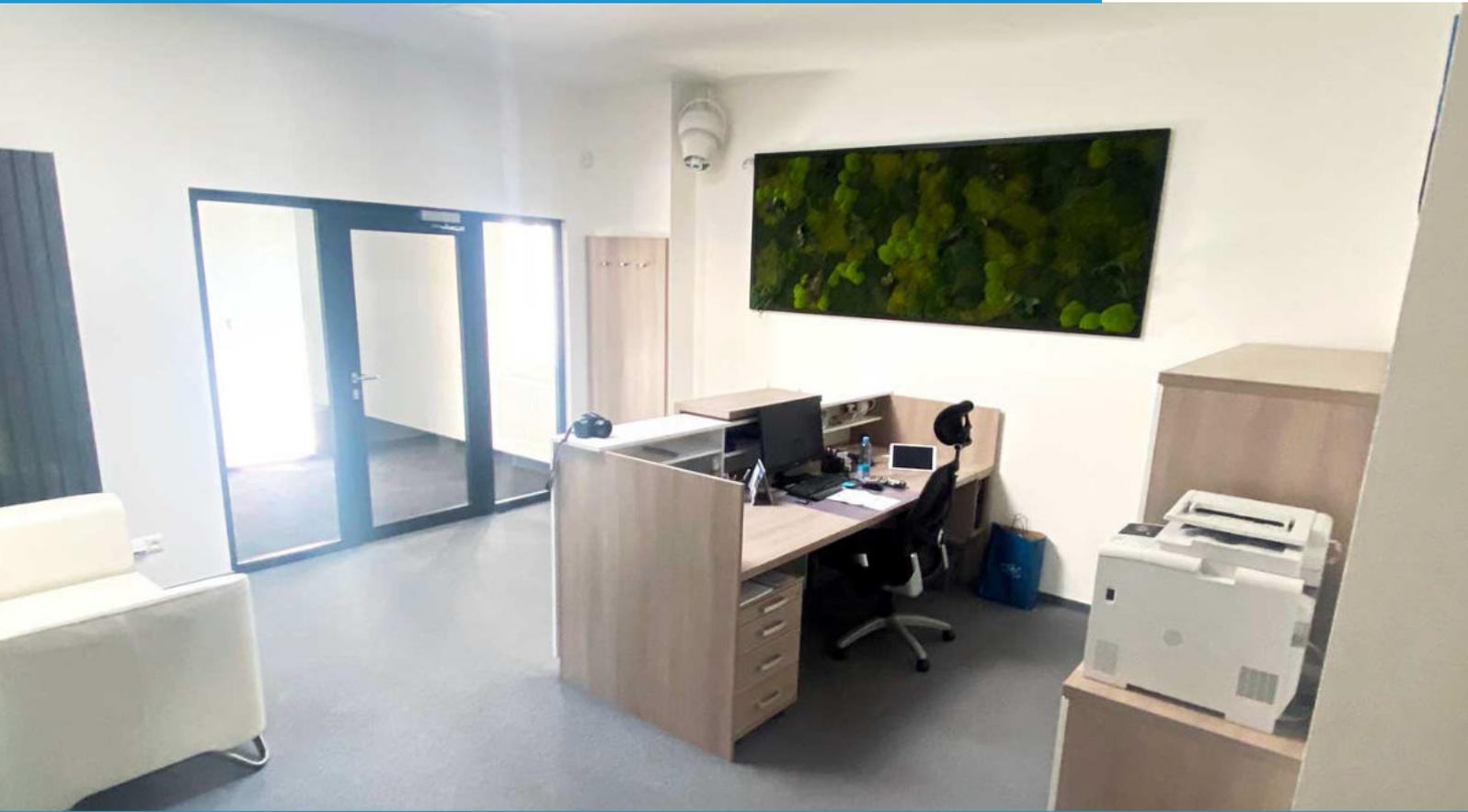
### Benefits

You may not be able to see the benefits of the PureAir system, but the results are unmissable:

- 99.9% effective at neutralising COVID19
- Cleans both the air and surfaces
- Reduces staff sickness and absenteeism
- Attacks particulate matter and allergens
- Constant 24/7 purification protection
- Shields surfaces with an invisible layer of protection
- Reduces outdoor air intake by up to 75%
- Recirculating rising heat also reduces HVAC costs

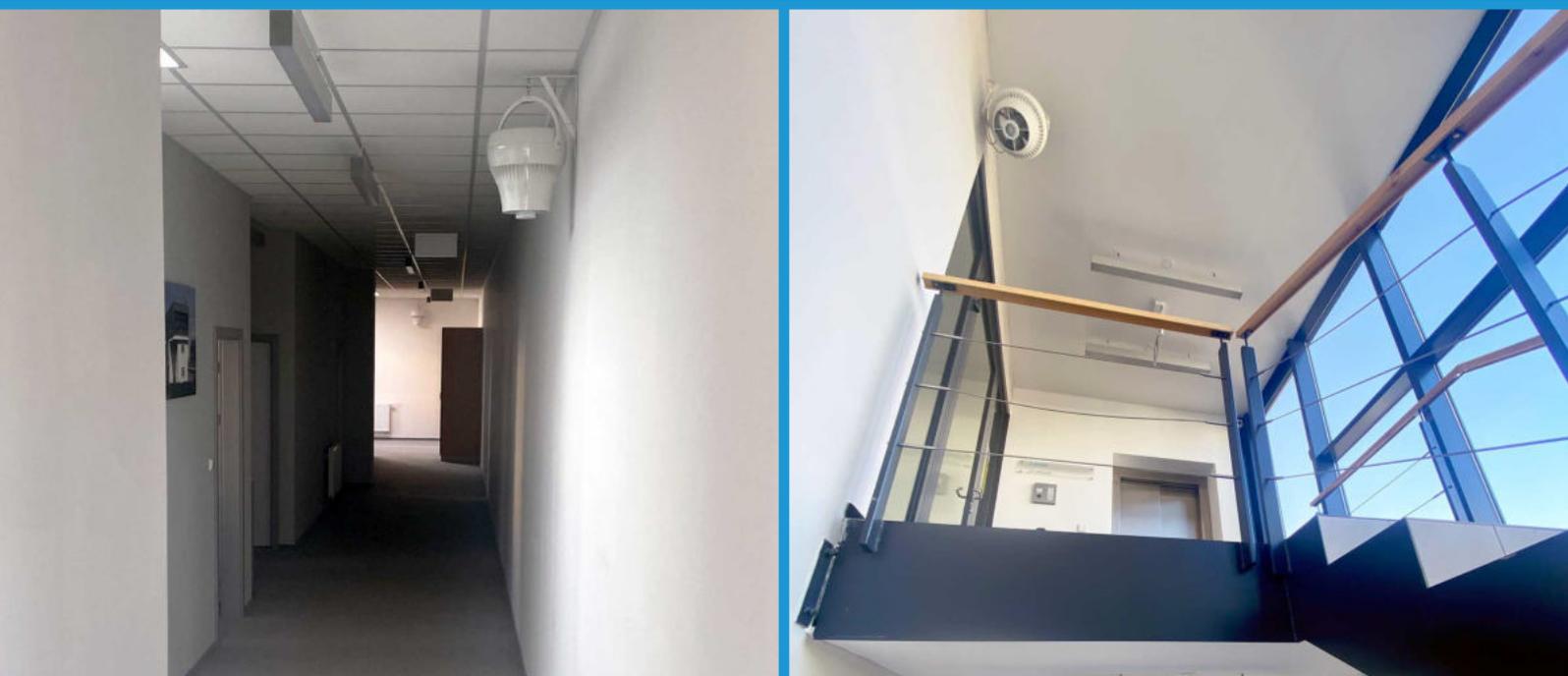
# Case Study

## Air Purification, Infection & Odour Control



## Results

Staff and guests to the building now feel much safer in the knowledge that their air and environment are being continuously purified by the PureAir system. EPL cond are now also already prepared to reopen the building to full operation with a full compliment of employees as soon as lockdown restrictions are lifted. The continuous air cleaning also reduces outdoor intake requirement and reduces staff sickness.





## 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 >>**