

- > Ultra Violet Germicidal Irradiation (UVGI)
- > 99+% Disinfection Rate
- > Create a Cleaner, Healthier Environment
- > Low installation costs
- > Treat Large Areas with single units
- > Easily retrofitted to existing HVLS installations
- > Combine with MegaFan High Volume, Low Speed (HVLS) fans to maximise airflow through the disinfection zone



## Dilute > Disperse > Disinfect

COVID-19 has brought large facilities indoor air quality into sharp focus. How do you clean the air in a warehouse, airport, sports centre, train station or any other large building ?

UV-C lighting is also known as Germicidal Irradiation due to its lethal effects on micro-organisms.

Independent testing at Leeds University has proven the technology to have disinfection rate of over 99% of **Viruses, Bacteria, Spores** and **Fungi** when passed through the disinfection zone.

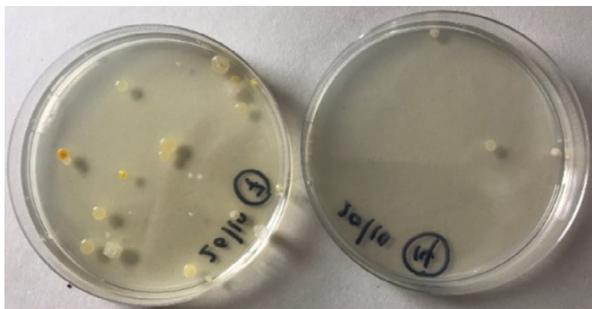
The safest location for the disinfection zone is in the unoccupied, upper zones of the building (roof space).

The challenge is how to draw the aerosolised virus through the disinfection zone.

Utilising MegaFan HVLS fans in conjunction with upper zone UVC lighting, the challenge is solved.

MegaFan Technologies AirClean System is the perfect marriage of air movement and disinfection to reduce infection risk.

MegaFan HVLS fans are used to draw the air at low velocity through the UVGI disinfection zone, providing extended exposure time in the zone to ensure maximum kill rate.



Agar Plates taken from untreated air (left) and UVGI treated air (right) after 60 minutes of exposure to UVGI, virus kill rate 87% after 60 minutes. Continued exposure will increase the kill rate.

Two AirClean UVGI 2L fittings installed at 3.6M height, mounted outside the HVLS fan aerofoil sweep

Tests Conducted by Dr. David Glover PhD - Environmental Biology

Model	Applicable HVLS Fan Diameter	Size	Weight	Wavelength	Finish	Maximum current	Operation Voltage	Lamp Life
AirClean 2L	ALL	100x 555x120	3kg	254nm	304 Stainless Steel	>1 A	230VAC	10,000 hours

Visit our website for more information - [megafans.co.uk](http://megafans.co.uk)