

A few installations completed:

The Lloyds Building - City Of London

Lloyds promotes its use of the HALO-LED™ technology as a key feature of its enhanced health and safety strategy following the easing of COVID-19 restrictions in January 2022, stating "Each cubic inch of air emitted by our central air conditioning is purified by the REME Halo in-duct air purifier system, universally recognised as one of the best solutions for building air purification."

BUPA Care Home

The HALO ROVE and REME ION units were installed on 21/22 October 2021. Prior to the installation on 20 Oct 2021, 5 ATP swab locations were identified and a single set of 5 control readings were taken. A second set of 5 ATP swabbings were taken at the same locations on 4 Nov 2021. ATP measurements showed an average 66.67% reduction in potentially harmful microbial contaminations across the 5 swab locations.

Birmingham Airport

The installation was performed by Birmingham Airport's FM Carter Synergy. This was following review of the Package PHI product, technology, safety and efficacy credentials by independent, accredited labs and universities. These reviews were in line with recommendations in official guidance and various client case studies. Since the installation passenger numbers through the airport have increased significantly.

Who is this technology for?

Residential & Commercial indoor spaces · Kitchens
Food Processing Facilities · Hotels/Motels · Cruise Ships
Apartments/Air B&B · Function Rooms · Exhibition Halls
Healthcare Facilities · Hospitals · Care Homes · Retail
Schools/Colleges/Universities · Childminders & Nurseries
Supermarkets · Restaurants & Bars · Resorts · Theatres
Cinemas · Spas, Gyms & Leisure Centres · Printers
Manufacturing/Production Facilities · Public Transport
Aircraft & Airports · Laboratories & Controlled Areas
Attractions · Communal Spaces · Warehouses/Logistics



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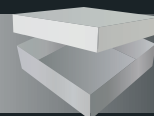
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We are part of



**PERFECT SOLUTIONS
GROUP UK LTD**

About us:

Perfect Air Solutions was founded as a trading name under the umbrella of **Perfect Solutions Group UK Ltd** to improve building air quality in a variety of sectors.

We supply solutions for Air Purification and Controlling/Regulating Air Temperature - at the same time as saving you energy, time, money and improving your overall indoor spaces!

With our **Air Purification** technology we can neutralise/kill viruses, bacteria, odours, mould spores etc and reduce VOC's (Volatile Organic Compounds) to ensure a safe working environment for all employees, visitors and patients etc.

Our solutions replicate outdoor fresh air, indoors! We use patented Photohydroionisation (PHI)® / REME® technology.

With our **Destratification** technology we can regulate your air temperature and improve air flow throughout your building ensuring a more manageable working environment both in the Summer and Winter without costly AC installations and alternatives. This will save the amount you pay for your energy and means the temperature is consistent everywhere; ground floor, first floor, offices, factory floor, mezzanine etc

How does Destratification work?

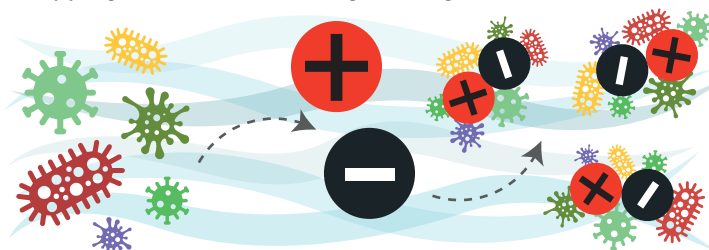
Destratification systems optimise heating by capturing the heat at the higher ceiling levels and forcing it downwards. To optimise cooling the fans are installed lower than the ceiling height and focus on circulating the cooled air supplied by AC systems evenly within the space.

Destratification fans work by continuously circulating a column of air from the ceiling to the floor, mixing the stratified air to create a comfortable environment for your business. These fans help to balance the temperature of the air so you don't have to overheat or over cool the room to maintain comfort.



What's the science behind the Air Purification?

The electrostatic positive or negatively charged ions in the air immediately agglomerate (clump together). This ionisation of the particles makes them larger and heavier which allows them to be removed by HVAC filtration or by dropping out of the air/falling to the ground.



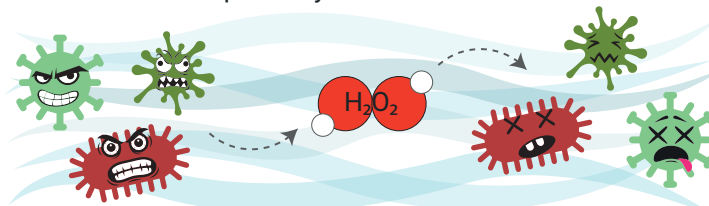
Ionised Hydrogen Peroxide (H_2O_2) is the key active component of this technology for effectively killing viruses, bacteria, mould spores and reducing VOC's continuously in real time!

HALO LED® units utilise proprietary mercury and ozone free LED-UV bulbs. These project UV energy at specific wavelengths onto a proprietary catalyst to promote the conversion of naturally occurring water vapour, into 'safe to breathe' outdoor concentrations of ionised Hydrogen Peroxide.

The Photohydroionisation process converts water vapour molecules (H_2O) that pass through the PHI-CELL into large numbers of ionised Hydrogen Peroxide (H_2O_2) molecules.



Airborne molecules of ionised Hydrogen Peroxide are effective at deactivating all types of harmful bacteria, viruses, allergens, moulds and odour compounds that may be present both in the air and on surfaces. The concentrations of ionised Hydrogen Peroxide molecules is similar to ambient outdoor concentrations making the treated indoor air perfectly safe to breathe.



What products are available for Air Purification?

Reduce the following pollutants from your indoor space!



Viruses



Bacteria



Moulds



Odours



Pollen



Dust



Smoke



Dander

Standalone

These PHI® technology units are for residential and commercial indoor environments with natural background ventilation strategies or where retrofitting into an existing HVAC/ventilation unit is not an option.

In-Duct HVAC / Retrofit into Supply HVAC/Ventilation

Designed for installation or retrofit into HVAC/Ventilation units and/or ductwork with PHI® and REME® technology.

PTAC / Split AC

Designed to be retrofitted inside or attached to packaged terminal air conditioner (PTAC) systems or mini split AC systems.

Portable Decontamination and Odour Control Units for Ductwork and Commercial Contractors, Facility Managers

Our portable units are the ideal solution to resolve malodour issues of all types and can be used to rapidly and effectively treat problem areas and create odour free areas during daily maintenance and housekeeping operations within occupied spaces.

Bacteria and Odour Abatement

The BOS HOX is an industrial and commercial bacteria and odour abatement system that was designed for areas such as compactors/dumpsters, lift stations, rubbish chutes, waste storage areas, as well as stacks vents.