myaire™
CRAFTED AIR SOLUTIONS

The future of buildings lies not only in how they are built, but in how intelligently they breathe.

As the importance of indoor and outdoor air quality continues to shape the built environment, advanced Air Purification, Filtration, Movement, and Intelligence are redefining the standards of health, sustainability, safety and human wellbeing.

Because the spaces of tomorrow must do more than exist — they must enhance life within them.

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Who We Are

Ensuring Quality, Retaining Trust

Myaire engineers integrated environmental solutions that redefine how modern spaces breathe, perform and function. Driven by the evolving demands of indoor and outdoor air quality, our systems are designed to create healthier, safer, more efficient and sustainable environments across residential, commercial, healthcare, hospitality, industrial and infrastructure sectors.

With expertise spanning Air Purification, Filtration, Movement and Intelligence, Myaire delivers complete environmental ecosystems that address airborne contaminants, gaseous pollutants, odors, microbes, VOCs, ventilation, pressure management, smoke extraction and real-time environmental optimization.

From conceptualization to implementation, every solution is engineered for performance, efficiency and long-term reliability – combining advanced technologies, intelligent engineering and lifecycle support to help shape the future of high-performance buildings.

Every project for us is a golden opportunity for continuous improvement and swift growth. This results in maximum cost-effectiveness, efficiency and productivity for our customers.

The technologies used are:

- Ultra-Violet Germicidal Irradiation (UVGI)
- Advanced Oxidation Technologies
- Photo-Catalytic Oxidation (PCO)
- Gas Phase Filtration
- Electrostatic Precipitation (ESP)
- Electronic Air Cleaning (EAC)
- Ionisation – Unipolar & Bipolar
- Ozonisation
- Activated Carbon & Adsorbent Media
- Microbial-Sorbent Media
- HEPA & Fine Particulate Filtration
- Specialised Media Filtration
- Advanced Air Movement & Ventilation
- Acoustic Treatment & Sound Attenuation
- Intelligent Monitoring & Controls

Why myaire ?

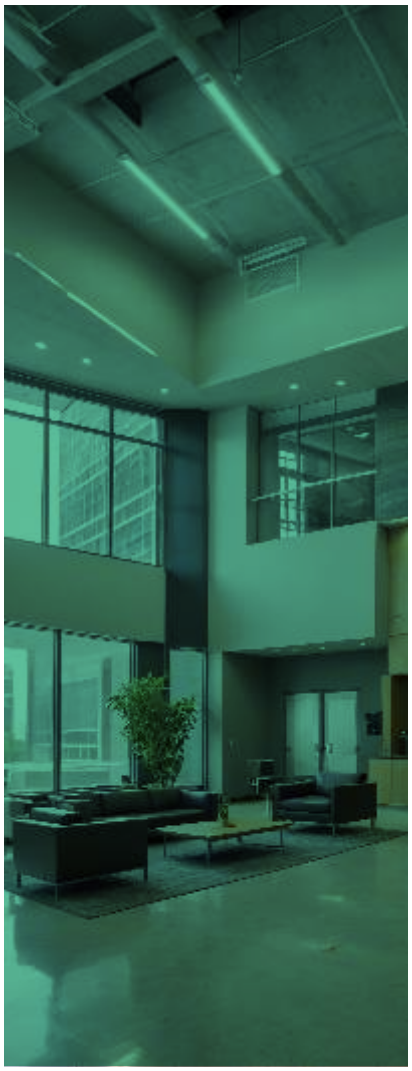
Your Integrated Partner for Healthier, Smarter & High-Performance Environments

More Than Products. A Complete Environmental Solutions Ecosystem.

Myaire is not just an air solutions provider. We are an integrated environmental solutions partner, combining engineering, science, intelligent technologies and air movement expertise to solve complex indoor and outdoor air quality challenges across industries.

From purification and filtration to ventilation, smoke extraction, monitoring and intelligent controls – Myaire delivers complete ecosystems engineered for performance, compliance, sustainability and long-term operational efficiency.

From design to deployment – and beyond – Myaire delivers measurable environmental outcomes, not just equipment.



What Sets Myaire Apart

Integrated Environmental Solutions

- Purification, Filtration, Movement & Intelligence – seamlessly engineered to work together, not in silos.
- Advanced air purification and decontamination technologies
- High-efficiency particulate and gas-phase filtration
- Intelligent air movement and ventilation systems
- Smart monitoring, automation and environmental controls

Engineered for Real-World Performance

- Solutions customized to airflow, load, occupancy and environmental conditions
- Designed for Indian subcontinent and global operating environments
- Proven across residential, commercial, healthcare, hospitality, industrial and infrastructure sectors

Compliance-Ready by Design

- Aligned with ASHRAE, ISHRAE, IAQ, environmental and safety standards
- Supports pollution control, fire safety and regulatory compliance
- Documentation, validation and technical support capabilities

Intelligent & Future-Ready

- BMS/EMS-ready systems with real-time environmental monitoring
- Predictive maintenance and performance visibility
- Scalable infrastructure designed for evolving facility demands

Lifecycle Value

- Energy-efficient engineered systems
- Reduced maintenance and operational downtime
- Lower total cost of ownership
- Long-term protection for people, infrastructure and assets

Myaire brings clarity to air, making it visible, measurable and controllable.

Designed Around Air. Engineered Around People.

Myaire transforms air into a measurable, controllable and intelligent environmental asset — enabling healthier spaces, safer operations and smarter buildings for the future.

Our Trusted Partners

aeropure™

Ventilatoren LTi

Importance of Indoor & Outdoor Air Quality

Air quality has become a critical factor in the performance, safety and sustainability of modern environments. As urbanization and occupant density continue to rise, both Indoor Air Quality (IAQ) and Outdoor Air Quality (OAQ) directly influence human health, comfort, productivity and overall building performance.

Poor air quality can contribute to respiratory illnesses, allergies, airborne infections, odor accumulation and "sick building syndrome," while also increasing healthcare costs, absenteeism and operational inefficiencies.

Beyond health, clean and well-managed air creates safer, healthier and more desirable spaces across commercial, healthcare, hospitality, industrial and infrastructure environments.

Today, buildings must do more than provide comfort – they must intelligently manage purification, filtration, ventilation, airflow and environmental control to support long-term wellbeing, operational efficiency and sustainability.

Contaminants Affecting IAQ/OAQ

Integrated Environmental Solutions

Engineered ecosystems that seamlessly combine Purification, Filtration, Movement and Intelligence to create healthier, safer and smarter environments with optimized air quality and sustainable performance.

Fresh • Clean • Pure Air

INDUSTRIES WE SERVE

Commercial, Residential & Smart Buildings

Data Centers, Cleanrooms & Mission Critical Environments

Healthcare, Pharmaceuticals & Life Sciences

Infrastructure, Transportation & Public Utilities

Hospitality, Retail & Entertainment Spaces

Industrial, Manufacturing & Processing Facilities

Air Purification

Purifying Air Beyond Filtration

Air purification today goes far beyond basic filtration. Modern environments demand intelligent solutions capable of neutralizing airborne contaminants, microbes, odors, VOCs and harmful pollutants while supporting healthier indoor environments and sustainable building performance.

Our purification solutions are engineered to improve indoor and outdoor air quality through advanced technologies that actively disinfect, oxidize, neutralize and purify the air across diverse applications and operating conditions.

Designed for commercial, healthcare, hospitality, industrial and critical infrastructure environments, these systems help create cleaner, safer and more people-centric spaces with enhanced environmental control and operational efficiency.

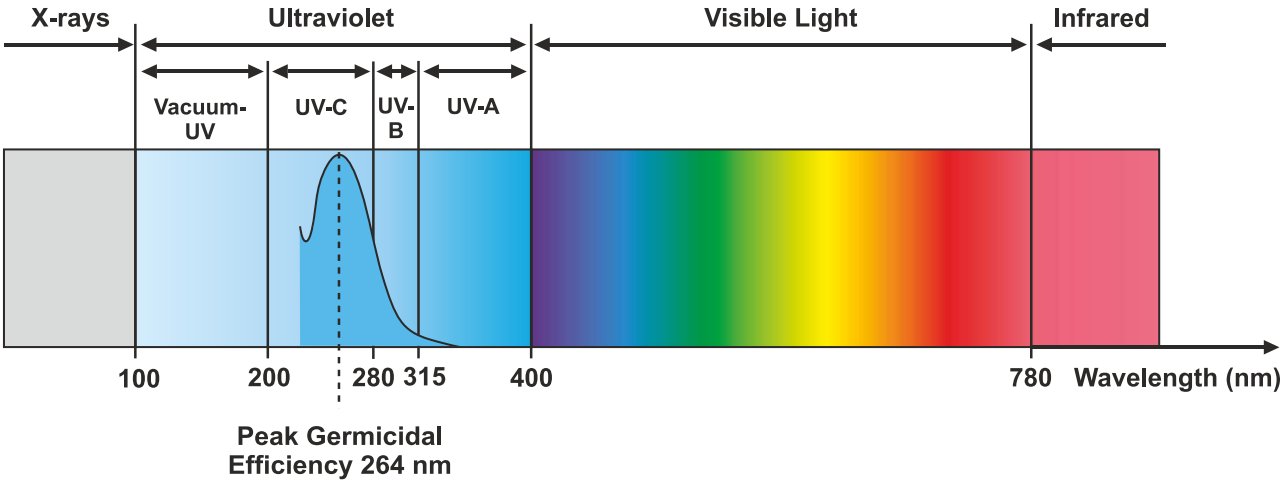
Solutions

- UVGI Systems
- PHI / PCO / UV-PCO Solutions
- Upper Room UV Disinfection
- Electrostatic Precipitation (ESP)
- Electronic Air Cleaners (EAC)
- AutoWash Filtration Systems
- Packaged Ecology Units
- Ozone Generator
- Odor Control Solutions
- Bipolar Ionization Systems
- Outdoor Air Purification Systems

Key Benefits

- Neutralizes airborne contaminants & microbes
- Reduces odors, VOCs & harmful pollutants
- Enhances Indoor & Outdoor Air Quality
- Supports healthier & safer environments
- Optimizes environmental performance
- Designed for energy-efficient operation

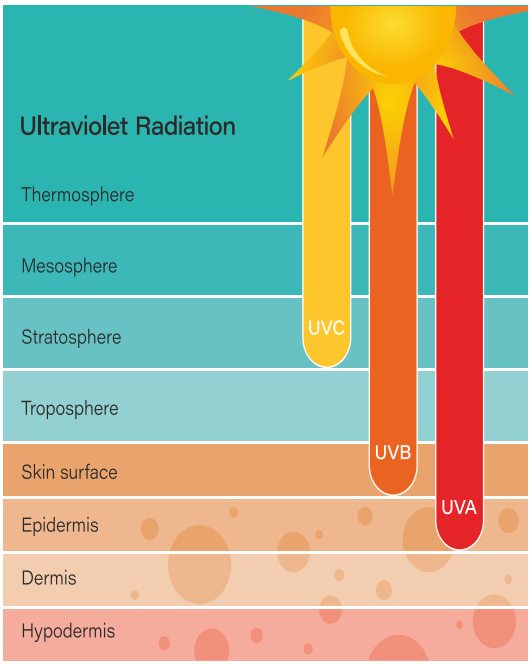
UVGI Technology



What is UVGI?

Ultraviolet Germicidal Irradiation (UVGI) is a proven air and surface disinfection technology that uses ultraviolet energy to inactivate airborne and surface-bound microorganisms such as viruses, bacteria and fungi.

UVGI works by penetrating the cell membrane of microbes and damaging their DNA/RNA, preventing them from replicating and spreading.



Why UV-C Matters

Not all ultraviolet light disinfects.

- UV-A: Causes tanning and aging of skin
- UV-B: Causes skin burns and cancer risk
- UV-C (254 nm): Germicidal wavelength — blocks reproduction of pathogens

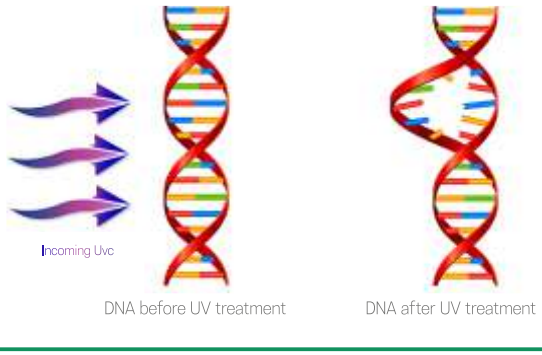
UV-C does not occur naturally at ground level, making it highly effective and controllable when engineered safely inside air systems. Myaire UV systems replicate the sun's germicidal wavelength to neutralize biological contaminants at the source.

Safety & Effectiveness

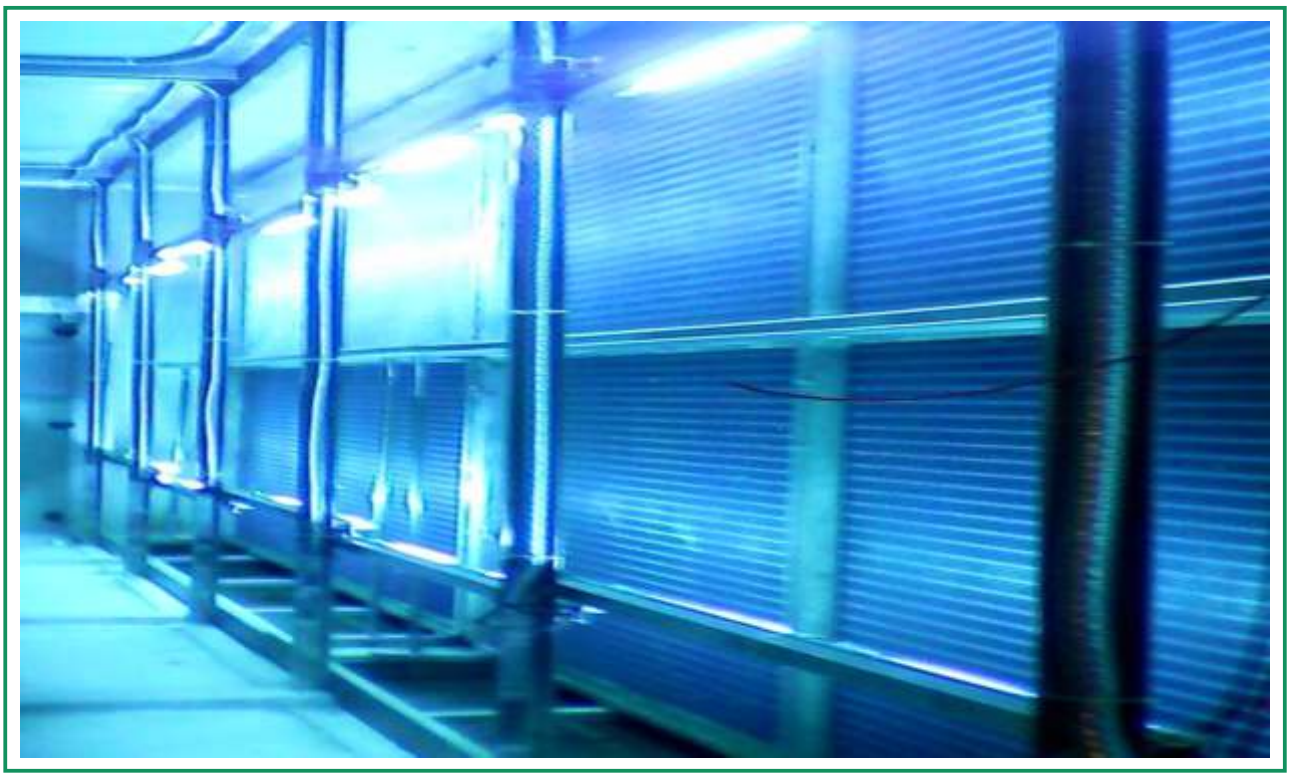
Myaire UVGI solutions are engineered for continuous operation in occupied spaces and HVAC systems.

- Kills 70–95% of airborne microbes in a single pass
- Chemical-free and residue-free disinfection
- No impact on airflow or comfort
- Designed to prevent UV exposure to occupants
- Reduces mold growth, odors and biofilm formation

UVGI enhances indoor air quality, reduces infection risk and supports healthier, safer buildings–24/7, silently and efficiently.



Surface Disinfection for HVAC



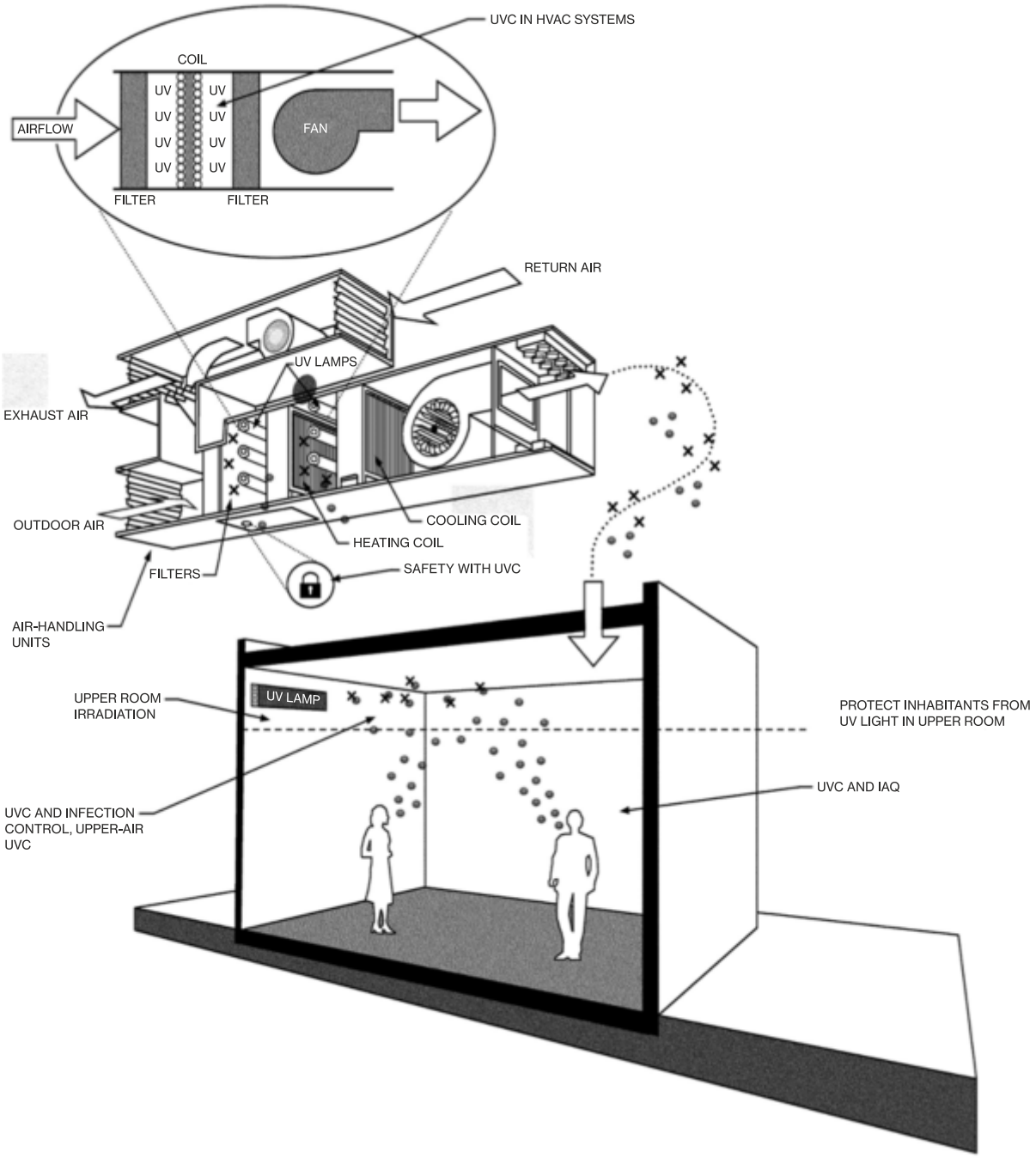
The Hidden HVAC Challenge

Cooling coils and drain pans inside AHUs are prime breeding grounds for mold, bacteria and biofilms.

- Continuous moisture from condensation
- Dirt and microbes clog coil fins
- Increased pressure drop and reduced heat transfer
- Frequent chemical and mechanical cleaning required

This results in higher energy consumption, rising maintenance costs and degraded indoor air quality.

Applications of UVC to Control Micro-organisms in Air and on Surfaces (ASHRAE 2029)



UVGI systems for indoor air quality, energy conservation of air-conditioning systems and germicidal disinfection of indoor air and surfaces.

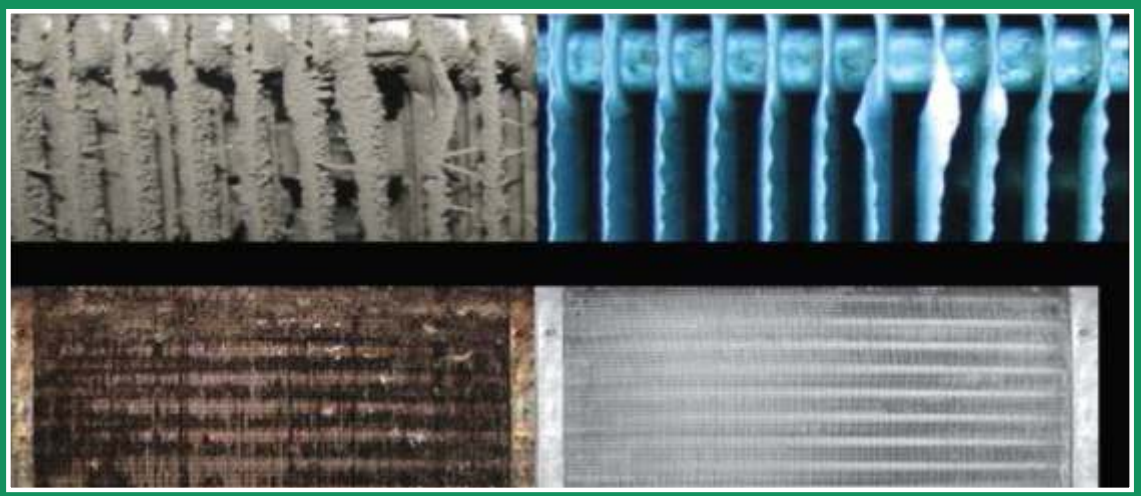
AHU without UVGI System

- Dirty Coils
- Lower Heat Transfer
- High Power Consumption
- Sick Building Syndrome
- SARS and Other Viruses
  - → H1N1/Influenza
  - → TB (Tuberculosis)
  - → Asthma
  - → Common Cold

AHU with UVGI System

- Removes Bacteria and Viruses
- Clean Coils, Eliminates Maintenance
- Improved Heat Transfer Efficiency
- Saves 10-20% HVAC Energy
- Improved Air Quality
  - → Healthy Staff
  - → Higher Productivity
  - → Lower absenteeism

In the process of disinfection, there is an added advantage of getting clean coils and ducts also



Coils before UV-C

Coils after UV-C

The Solution

Surface Disinfection for HVAC uses continuous UV-C irradiation to disinfect cooling coils, drain pans and nearby surfaces inside air-handling units.

- UV-C prevents biofilm formation at the source
- Keeps coils clean without chemicals
- Operates 24/7 within the HVAC system

Energy Efficiency

- Restores and maintains optimal heat transfer
- Reduces coil pressure drop
- Improves airflow and system performance
- Lowers HVAC energy consumption over time

Maintenance Reduction

- Eliminates frequent chemical coil cleaning
- Reduces downtime and labor costs
- Extends coil and equipment life
- Safer for maintenance personnel

Indoor Air Quality (IAQ) Improvement

- Prevents mold and bacterial growth inside AHUs
- Reduces airborne bio-aerosols downstream
- Delivers cleaner, healthier air to occupied spaces
- Supports occupant comfort, health and productivity

Surface Disinfection transforms HVAC systems from contamination sources into clean-air assets.

In-Duct Air Disinfection

The Problem

Air ducts create an ideal environment for the growth and circulation of airborne pathogens.

- Moisture, dust and darkness inside ducts promote mould and bacterial growth
- Contaminants spread through the HVAC system into occupied spaces
- High air velocity limits natural exposure time for effective disinfection
- Conventional cleaning is periodic, labor-intensive and short-lived

Result: Compromised indoor air quality and increased health risk.

The Solution

In-Duct Air Disinfection is a high-intensity in-duct UVGI system designed to disinfect air as it flows through HVAC ducts.

- Uses high-output UV-C lamps for maximum airborne pathogen inactivation
- Delivers intensive UV exposure within limited air-stream contact time
- Custom-engineered to match duct size, airflow rate and system design
- Works continuously to prevent downstream contamination

Key Benefits

- Neutralizes viruses, bacteria and mold spores in transit
- Prevents microbial build-up inside ductwork
- Improves overall Indoor Air Quality (IAQ)
- Reduces reliance on chemical and mechanical cleaning
- Customizable for new or retrofit installations
- Low maintenance, long operational life

Typical Applications

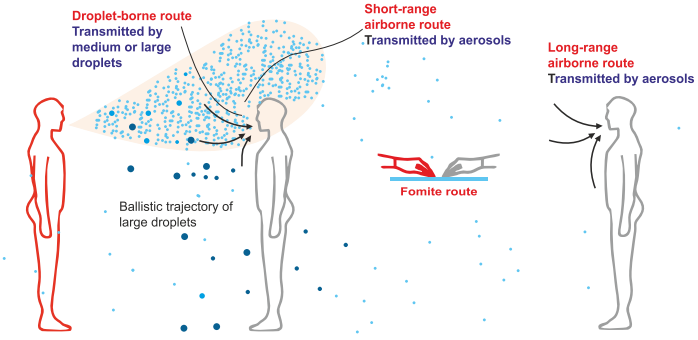
- Hospitals & healthcare facilities
- Commercial office buildings
- Airports & transit hubs
- Hotels & hospitality spaces
- Educational institutions
- Data centers & clean environments

Upper-Room Air Disinfection

The Airborne Risk Indoors

In occupied spaces, infectious aerosols can remain suspended in the air for extended periods, increasing the risk of cross-infection–especially in crowded or poorly ventilated environments.

Traditional ventilation alone is often insufficient to continuously neutralize airborne pathogens at room level.

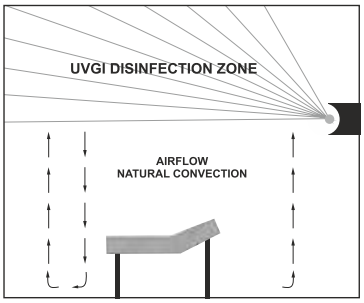


Small droplets (<5 µm), called aerosols, are responsible for the short & long-range airborne route and indirect contact route. Large droplets are responsible for the direct spray route and indirect contact route

The Solution – SteraShield

SteraShield is a wall-mounted upper-room UVGI system designed to continuously disinfect room air without disrupting occupants.

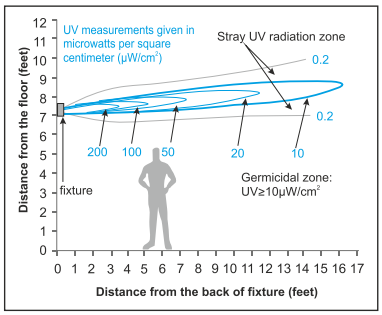
- Creates a horizontal UV-C disinfection zone above head height
- Utilizes natural air movement to carry pathogens into the UV field
- Proven technology used globally for decades in healthcare settings



Installation in a Room of SteraShield - Wall Mounted System

Continuous Protection

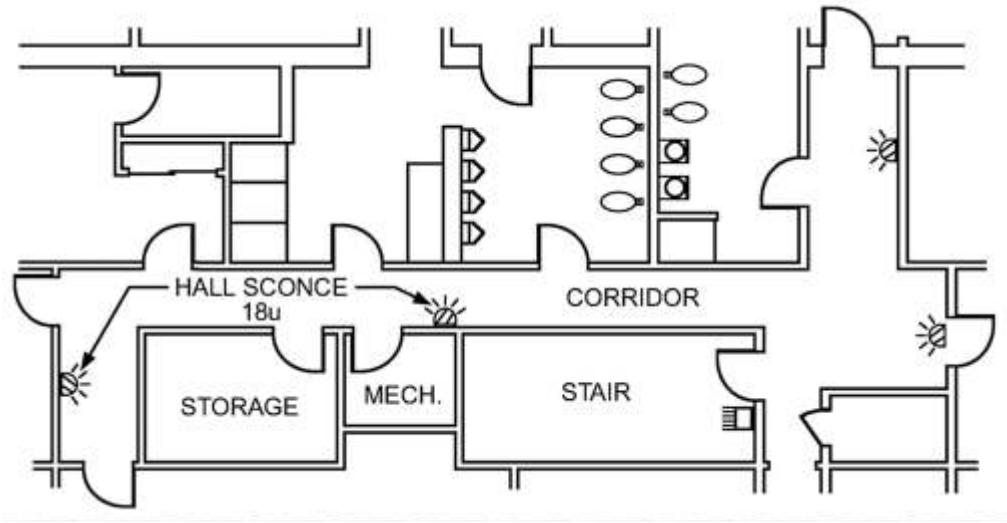
- Operates 24/7 for uninterrupted air disinfection
- Inactivates 70–95% of airborne microbes
- Reduces transmission of viruses, bacteria and fungi
- Works independently of HVAC systems



UV Intensity Distribution in a Room with SteraShield - Wall Mounted System

Occupant Safety

- UV-C energy is safely confined above occupant level
- No direct UV exposure to people in the room
- Silent operation with no secondary pollutants
- Maintenance-free and energy-efficient



Wall Mounted Upper-Air UVC Devices Covering Corridors

Ideal Use Cases

- Hospitals, clinics & waiting areas
- Patient wards, ICUs & doctors' cabins
- Schools, colleges & classrooms
- Offices, IT parks & government buildings
- Restaurants, pubs & commercial spaces
- Residential and shared living environments

SteraShield delivers silent, invisible protection–continuously disinfecting the air where people gather most.

Advanced Oxidation Technologies

Why Advanced Oxidation?

Modern indoor air challenges go beyond dust and microbes. VOCs, chemical gases, odors and ultra-fine pollutants require molecular-level treatment–not just filtration.

Advanced Oxidation Technologies (AOTs) neutralize pollutants by breaking them down into harmless by-products like oxygen and water, delivering true air purification.

Technology Comparison

PHI-Plus (Photo Hydro-Ionized Oxidation)	PCO (Photo-Catalytic Oxidation)	UVPCO (UV + PCO Hybrid)
Best for: Comprehensive air purification in HVAC systems	Best for: Targeted VOC and odor removal	Best for: Multi-stage, high-efficiency purification
Uses UV light + MMO Nano-Coated screen developing Advanced Oxidation Process (AOP) reaction	Uses UV light + titanium dioxide catalyst	Combines germicidal UV-C with photo-catalytic oxidation
Actively reduces viruses, bacteria, mold, VOCs and odors	Oxidizes gaseous pollutants at the molecular level	Simultaneously inactivates microbes and destroys VOCs
Treats air inside ducts and in occupied spaces	Highly effective for chemical fumes and persistent odors	Delivers higher single-pass efficiency
Continuous, low-energy operation	Low pressure drop, HVAC compatible design	Suitable for mission-critical and high-contamination zones
Ideal for large commercial and healthcare environments	Ideal for commercial, industrial, and specialized applications	

Choosing the Right Technology

- PHI-Plus: Best all-round solution for continuous IAQ improvement
- PCO: Ideal for odor and chemical control
- UVPCO: Maximum purification where risk is highest

Myaire engineers each solution based on application, airflow, pollutant profile and performance goals ensuring the right technology for the right environment.

PHI-Plus Air Purification Systems

Beyond Filtration. True Air Purification.

Conventional filters trap pollutants.
PHI-Plus destroys them at a molecular level.

PHI-Plus is an advanced oxidation technology that uses UV-C energy combined with a specialized multi-metallic oxide (MMO) nano-coating to neutralize airborne and surface contaminants inside HVAC systems and occupied spaces.

VOC Destruction

- Breaks down volatile organic compounds (VOCs) such as formaldehyde, solvents, fumes and chemical vapors
- Oxidizes pollutants into harmless oxygen and hydrogen
- Effective against persistent and low-level chemical contamination
- Ideal for modern buildings with high synthetic material usage

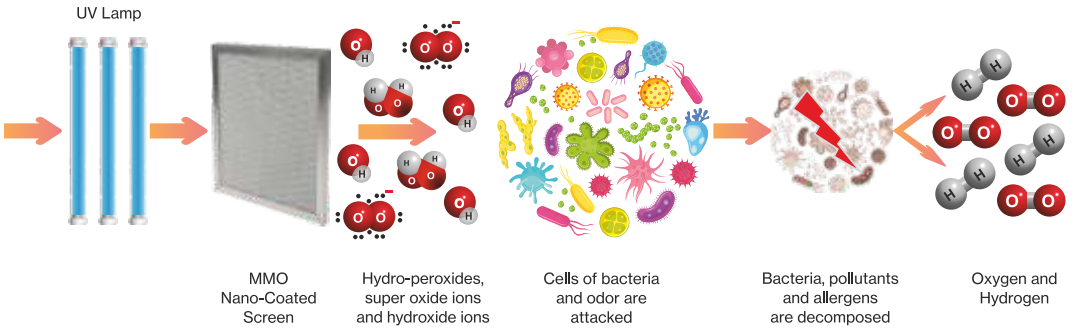
Odor Removal

- Eliminates odors at the source, not by masking
- Highly effective against:
  - Cigarette smoke
  - Food and kitchen odors
  - Chemical and industrial smells
- Prevents odor recirculation through HVAC systems

Pathogen Reduction

- Neutralizes viruses, bacteria, mold and allergens
- Reduces microbial load by over 95%
- Acts continuously as air moves through ducts and occupied spaces
- Complements UVGI and filtration systems for layered protection

Advanced Photo Hydro-Ionized Oxidation (PHI-Plus) Principle



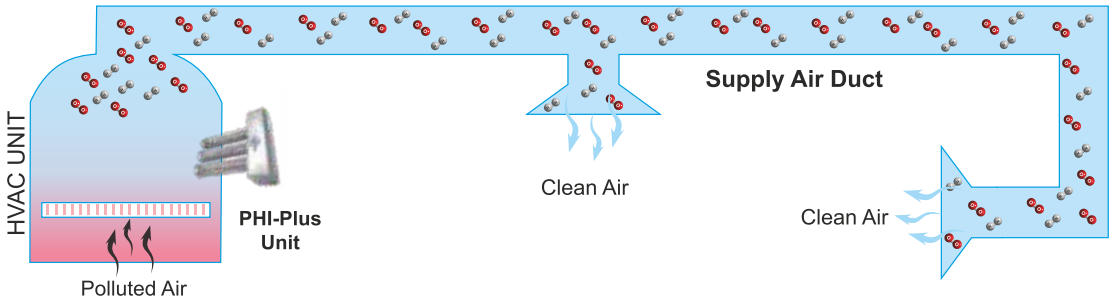
Why PHI-Plus Works

- Friendly oxidizers revert back to oxygen and hydrogen after reaction
- Safe for continuous operation in occupied environments
- Low energy consumption
- No harmful by-products or secondary pollutants
- Easily integrated into AHUs, ducts and plenums

Ideal Applications

- Hospitals, clinics & laboratories
- Commercial offices & corporate buildings
- Hotels, restaurants & food courts
- Data centers & clean rooms
- Schools, museums & public buildings

PHI-Plus doesn't just clean the air—it transforms it.



The Kitchen Air Challenge

A High-Risk Air Environment

Commercial kitchens generate some of the most aggressive air contaminants of any indoor environment.

- Grease, oil mist, smoke and fly ash
- Strong, persistent odors
- Volatile organic compounds (VOCs)
- High-temperature exhaust air

If left untreated, these pollutants spread beyond the kitchen—impacting occupants, neighbors and the environment.

Compliance & Regulatory Pressure

Urban regulations now impose strict limits on kitchen exhaust emissions.

- Mandatory control of grease, smoke and odor discharge
- Environmental compliance for air pollution norms
- Increasing scrutiny from municipal and pollution control authorities
- Penalties, shutdowns, or forced retrofits for non-compliance

Clean exhaust is no longer optional—it is legally required.

Safety & Operational Risks

Uncontrolled kitchen exhaust poses serious hazards:

- Fire risk due to grease accumulation in ducts and fans
- Reduced life of exhaust fans and filters
- Frequent breakdowns and maintenance
- Odor complaints affecting brand reputation and business continuity

The Need for Engineered Solutions

Simple filters and fans are not enough.

Commercial kitchens require purpose-built, high-efficiency air treatment systems that:

- Remove grease and particulates at source
- Control odors effectively
- Ensure safe, compliant exhaust discharge
- Protect equipment, property and people

Myaire kitchen air solutions transform hazardous exhaust into clean, compliant airflow–safely and efficiently.

Electrostatic Precipitators – Dry Scrubber

The Solution for Grease & Smoke Control

SteraDryScrub is a high-performance Electrostatic Precipitator (ESP) engineered specifically for commercial kitchen exhaust systems.

It efficiently removes oil mist, grease, smoke, fly ash and ultra-fine particulates before air is discharged into the environment.

High Efficiency Filtration

- Removes particles from 10 microns down to 0.01 microns
- Up to 95% efficiency in single pass
- Up to 99% efficiency in double pass
- Effectively controls visible smoke and grease-laden exhaust
- Meets stringent emission and odor-control norms

Low Pressure Drop

- Open-plate ESP design ensures minimal resistance to airflow
- Static pressure drop maintained at 5–8 mmWG
- Reduces load on exhaust fans
- Improves overall system energy efficiency

Modular & Scalable Design

- Modular construction allows easy scaling for 2,000 to 13,000+ CFM
- Multiple unit configurations to suit site constraints
- Compatible with:
  - Adsorber modules
  - Ozone generators
  - Grease-rated exhaust fans
- Flexible installation: ceiling suspended, floor-mounted, or stand-mounted

Why SteraDryScrub

- Washable pre-filters and collector cells
- Side-access doors for easy maintenance
- Robust, powder-coated construction
- Designed for continuous, heavy-duty kitchen operation

SteraDryScrub delivers clean, compliant kitchen exhaust—without compromising airflow or efficiency.

Electrostatic Precipitator – AutoWash

The Maintenance Challenge

While electrostatic precipitators are highly effective, manual cleaning can be:

- Time-consuming
- Labor-intensive
- Inconsistent
- Often delayed due to operational pressures

This leads to performance drop, higher fire risk and increased operating costs.

The Solution – SteraDryScrub Autowash

SteraDryScrub Autowash integrates fully automated, in-built washing technology with high-efficiency ESP performance.

- PLC-controlled cleaning cycles
- Designed to operate during non-kitchen hours
- No manual dismantling or handling of ESP cells
- Consistent performance day after day

Minimal Manual Maintenance

- Automatic detergent wash and rinse cycles
- Drying stage using the exhaust fan
- Eliminates frequent manual cell cleaning
- Reduces exposure of staff to grease and contaminants
- Ensures hygienic and safe operation

Lifecycle Cost Savings

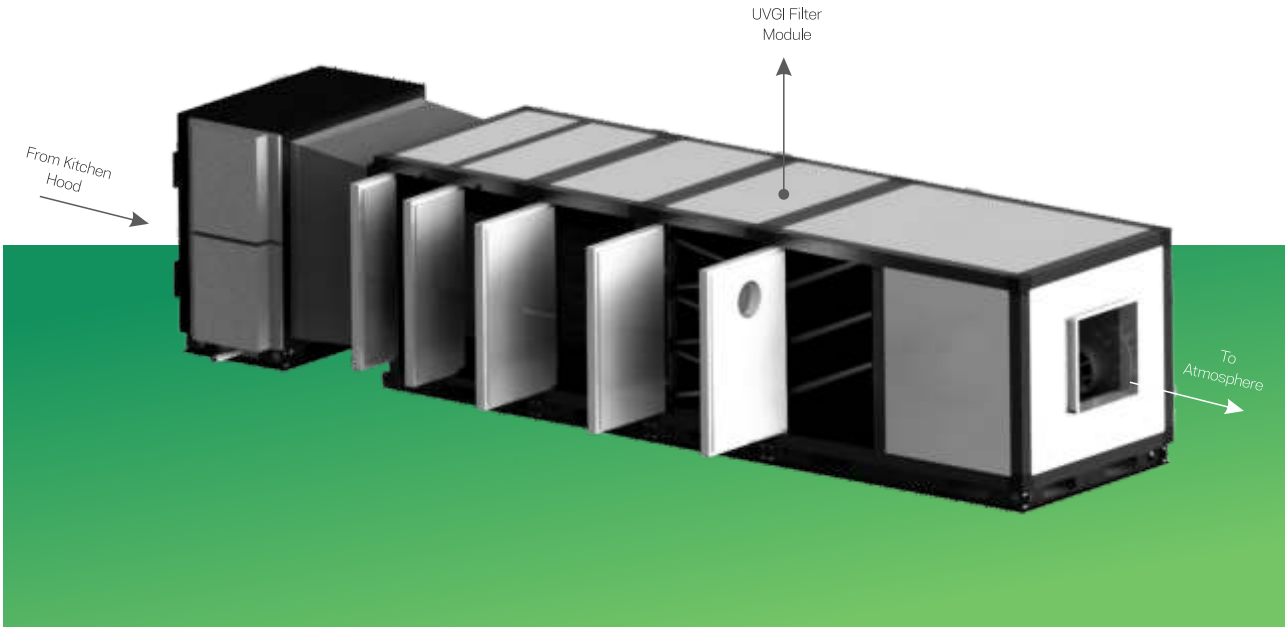
- Maintains peak ESP efficiency over time
- Reduces labor and downtime costs
- Low water, detergent and energy consumption
- Extends equipment life
- Minimizes fire risk due to grease buildup

Built for Commercial Kitchens

- Removes particles from 10 microns to 0.01 microns
- Up to 95% efficiency (single pass)
- Low pressure drop for energy-efficient operation
- Modular design for scalable airflow requirements

SteraDryScrub Autowash delivers consistent compliance with minimal effort–clean exhaust, lower costs and peace of mind.

Packaged Ecology Units



One System. Complete Compliance.

Packaged Ecology Units (PEUs) are factory-integrated, end-to-end kitchen exhaust treatment solutions designed to handle varying cooking loads while ensuring safe, clean and regulation-compliant air discharge.

They combine multiple air-cleaning technologies into a single, engineered package.

Designed for Light to Heavy Kitchen Density

PEUs are configured based on cooking intensity and exhaust volume:

- Light-duty kitchens
- Cafés, bakeries, QSRs
- Medium-duty kitchens
- Restaurants, food courts
- Heavy-duty kitchens
- Hotels, cloud kitchens, central kitchens

Each system is custom-sized to manage grease, smoke, odor and VOC load effectively.

Regulatory Alignment by Design

- Meets municipal and pollution control board norms
- Controls visible smoke and grease discharge
- Odor treatment modules ensure neighborhood-friendly exhaust
- Reduces fire risk from grease accumulation
- Supports approvals from fire and environmental authorities

What's Inside a Packaged Ecology Unit

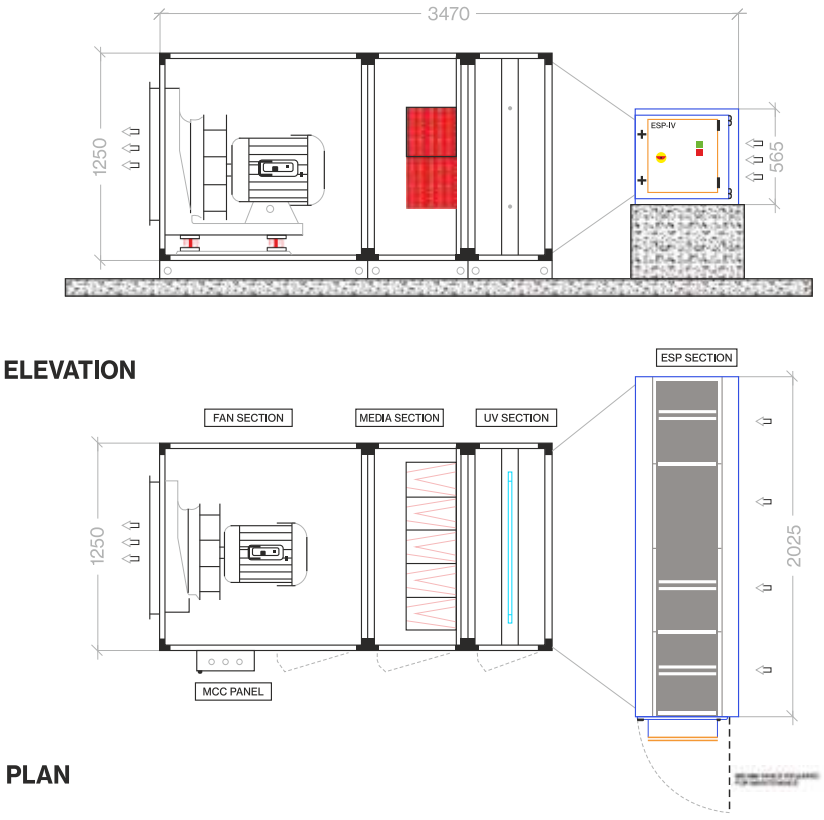
- Grease pre-filtration
- Electrostatic precipitator (Dry Scrubber / AutoWash)
- Odor control (activated carbon / ozone / PCO modules)
- High-efficiency exhaust fan
- Weatherproof, outdoor-rated enclosure

Where PEUs Work Best

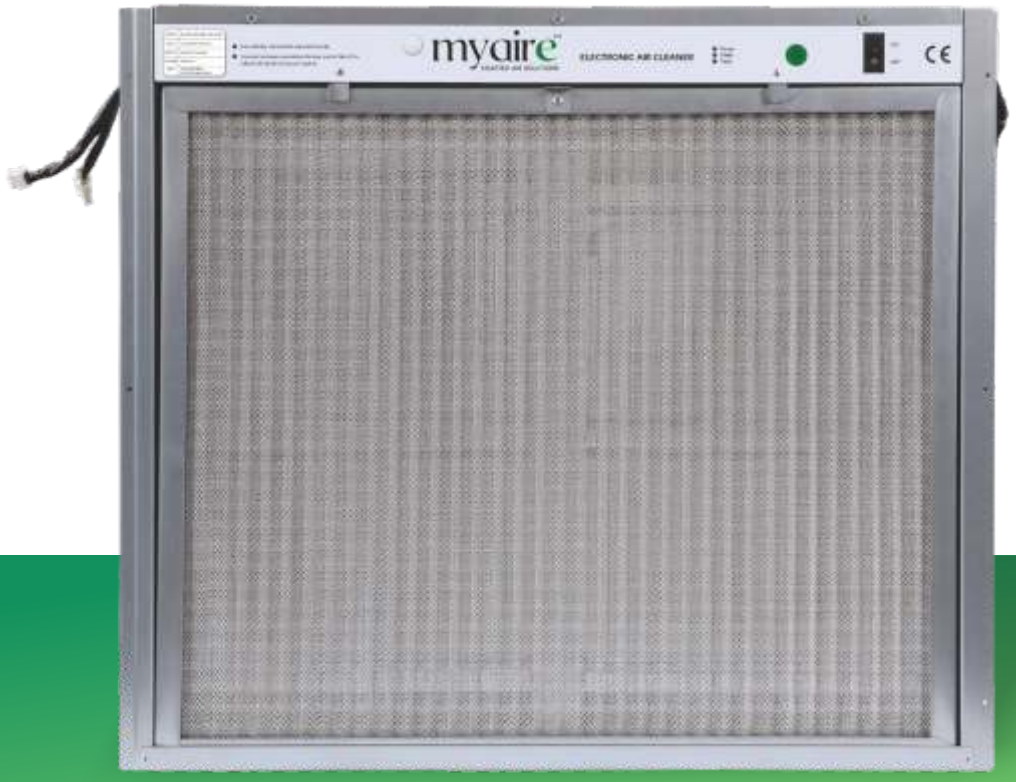
- Restaurants & QSR chains
- Hotels & banquet kitchens
- Food courts & malls
- Cloud kitchens & delivery hubs
- Centralized and industrial kitchens

Packaged Ecology Units simplify compliance-engineered performance, predictable results and clean exhaust across all kitchen types.

Typical Layout of a 8000CFM system with ESP-4 Unit



Electronic Air Cleaners (EAC)



The First Line of HVAC Protection

Electronic Air Cleaners (EACs) are designed to remove airborne particulates before they contaminate HVAC components.

By capturing fine dust and aerosols early, EACs protect coils, fans and ducts, helping HVAC systems operate at peak efficiency.

Protects HVAC Systems

- Removes fine particulate matter from the airstream
- Prevents dust buildup on coils and heat exchangers
- Reduces pressure drop across HVAC components
- Extends equipment life and reduces breakdowns
- Improves downstream IAQ performance

Energy Efficient Performance

- Low resistance to airflow compared to dense filters
- Maintains consistent air volume over time
- Reduces fan energy consumption
- Stable performance even at high dust loads

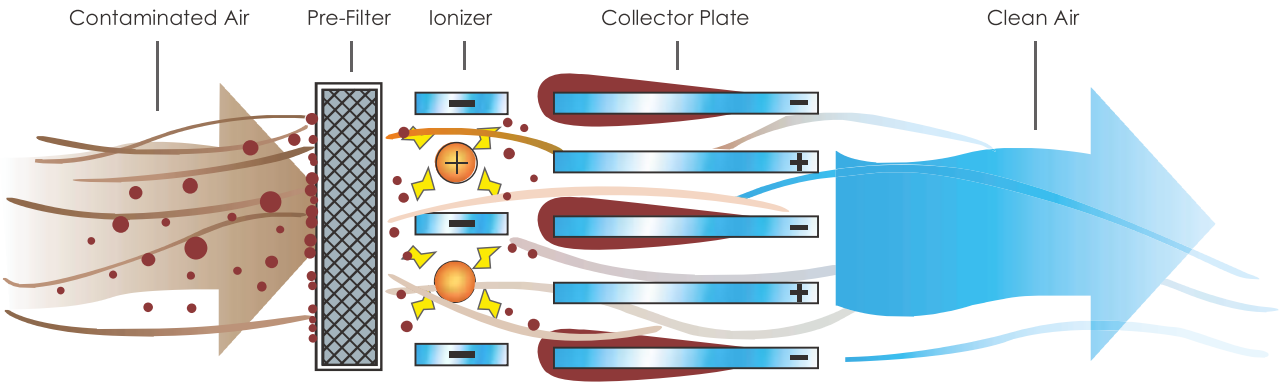
Washable & Reusable

- Permanent metal cells–no disposable filter replacement
- Easily washable and reusable collector plates
- Reduces recurring consumable costs
- Environmentally responsible filtration solution

Where EACs Fit Best

- Commercial HVAC systems
- Offices & institutional buildings
- Hospitals & healthcare facilities
- Industrial and clean environments
- Pre-filtration for advanced IAQ systems

Electronic Air Cleaners deliver long-term particulate control–efficient, sustainable and HVAC-friendly.



Ozone Generator for Odour Control

Eco-Friendly Odor Elimination Through Ozone Technology

Unpleasant odors from Sewage Treatment Plants (STPs), wastewater facilities, pumping stations and industrial processes are caused by volatile organic compounds (VOCs), hydrogen sulphide (H_2S), ammonia, mercaptans and other odorous gases. Myaire's Ozone Generator provides an efficient, chemical-free solution by oxidizing these contaminants at the molecular level, transforming odorous exhaust into cleaner, safer air.

Using advanced corona discharge technology, ozone is generated on-site and injected directly into the exhaust air stream, where it rapidly neutralizes odor-causing compounds, bacteria, viruses and other biological contaminants.

Why Ozone?

Unlike conventional masking agents or chemical scrubbers, ozone destroys contaminants rather than simply transferring or concealing them.

Effectively Neutralizes

- Hydrogen Sulphide (H_2S)
- Ammonia (NH_3)
- Mercaptans & Sulphur Compounds
- VOCs & Organic Vapours
- Bacteria, Viruses & Bioaerosols
- Persistent Wastewater & Industrial Odors

How It Works

The system generates ozone using high-voltage corona discharge technology. Once introduced into the exhaust airflow, ozone reacts with odorous gases and microorganisms through rapid oxidation, converting them into harmless compounds such as oxygen, carbon dioxide and water.

This process provides:

- Rapid odor neutralization
- Continuous microbial disinfection
- Chemical-free air treatment
- No harmful secondary by-products
- Improved environmental compliance

Engineered for Reliable Performance

Designed for demanding wastewater and industrial applications, Myaire Ozone Systems deliver consistent and safe operation.

Key Features

- Advanced Corona Discharge Ozone Generation
- Automatic ozone output control
- High-efficiency air drying system
- Stainless Steel ozone generation chamber
- PLC/HMI-based monitoring and control
- Compact modular design
- Low maintenance operation
- Safe and energy-efficient performance

Key Benefits

- Eliminates odours at the molecular level
- Neutralizes bacteria, viruses and biological contaminants
- Reduces H_2S, VOCs, ammonia and sulphur compounds
- Chemical-free and environmentally responsible technology
- Improves workplace safety and surrounding air quality
- Supports pollution control and environmental compliance
- Compact, scalable and easy to integrate into existing exhaust systems

Typical Applications

- Sewage Treatment Plants (STPs)
- Wastewater Treatment Plants (WWTPs)
- Pumping Stations
- Equalization Tanks
- Sludge Handling Facilities
- Industrial Process Exhaust
- Biogas Plants
- Municipal Utilities & Infrastructure

Cleaner Air. Smarter Treatment.

Myaire Ozone Generators deliver high-performance odour control through advanced oxidation technology—providing cleaner exhaust, safer working environments and sustainable air treatment for wastewater and industrial applications.

Drum & Biogas Scrubber

Engineered Systems for Reliable, High-Efficiency Gas & Odor Removal

Odors, corrosive gases and hazardous vapours from wastewater, industrial processes and biogas environments demand robust treatment systems that deliver consistent performance, safety and compliance. Our Odor Control Solutions are purpose-built to remove H_2S, VOCs, sulphur compounds, organic acids, ammonia and a wide spectrum of odorous gases, ensuring cleaner air and safer surroundings.

Drum Scrubber (DS)

Compact Economical Ready-to-Deploy

The Drum Scrubber is a self-contained vent control system designed for small to medium airflow applications, making it ideal for confined installations and cost-sensitive environments. Despite its compact footprint, it delivers powerful gas-phase filtration performance.

Key Advantages

- Designed for airflows up to ~1,000 CFM
- Compact footprint for tight installations
- Simple system architecture with minimal maintenance
- Multiple construction material options available (FRP / SS / HDPE / Aluminium)
- Ideal for lift stations, pump houses, small wastewater & utility applications

Performance Strengths

- Reliable odor capture using high-efficiency adsorbent media
- Integrated pre-conditioning options for enhanced efficiency
- Robust construction for long operational life
- Quiet operation with low system resistance
- Proven results across utility, wastewater and infrastructure applications

Bio / Biogas Scrubber – BEAST Bioscrubber

High-Capacity Low Maintenance Maximum H_2S Removal

The BEAST (Biologically Engineered Adsorbent Scrubber Technology) Bioscrubber is a heavy-duty odor removal system engineered specifically for environments with high concentrations of H_2S and aggressive odorous gases commonly found in biogas plants, wastewater facilities and industrial exhaust systems.

System Excellence

- Treats airflows up to ~8,000 CFM
- Removes extremely high H S loads (300+ ppm and beyond)
- Dual-stage technology: biological treatment with polishing phase
- Designed for continuous, stable and low maintenance operation
- Built for long service life with advanced bio media engineered for 10+ years of durability

Operational & Business Advantages

- Reduces operational disruptions
- Provides remote monitoring and notification capability
- Environmentally responsible, chemical minimising solution
- Protects downstream systems, ducting and equipment
- Supports regulatory compliance and occupational safety

Where These Solutions Deliver Value

- Wastewater & Sewage Treatment Plants
- Biogas Plants & Digesters
- Municipal Utilities & Infrastructure
- Industrial Exhaust Treatment
- Solid Waste Handling Facilities
- Pumping & Ventilation Stations

Result

Reduced Odors. Safer Workspaces. Cleaner Communities.

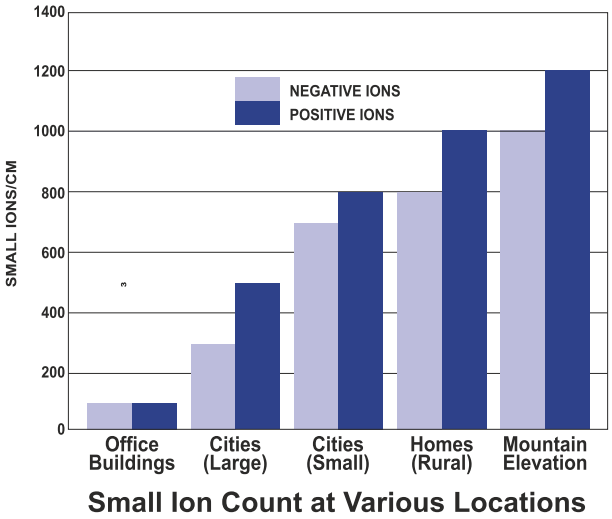
From compact Drum Scrubbers to high-capacity BEAST™ Bioscrubbers, our odor control portfolio delivers scalable, dependable and future-ready solutions engineered to meet real environmental demands.

BiPolar Ioniser

Active Air Cleaning with Plasma-Based Needle Point Ionisation

The BiPolar Ioniser is an advanced indoor air quality solution that uses plasma-generated positive and negative ions to actively clean air across indoor spaces.

Unlike passive filtration systems that rely only on airflow passing through filters, bipolar ionisation works directly within occupied spaces, neutralising airborne particles, pathogens and VOCs in real time.



Small Ion Count at Various Locations

Why Bipolar Ionisation?

Modern indoor environments suffer from depleted natural ion levels due to enclosed architecture and artificial ventilation. Low ion concentration can lead to fatigue, discomfort, poor alertness and reduced wellbeing. The BiPolar Ioniser restores a healthier indoor ion balance–enhancing comfort while improving indoor hygiene.

How It Works

Using needle-point plasma ionisation, the system generates a high concentration of positive and negative ions that:

- Bind to fine particles, causing them to cluster and become large enough to be captured efficiently by filters
- Destroy pathogens by disrupting their protein structure, rendering bacteria and viruses inactive
- Break down VOCs (with Electron Volt Potential under 12 eV), converting harmful compounds into harmless end products such as CO_2, H_2O, N_2 and O_2
- Travel through the airflow to purify the entire breathing zone, including areas beyond visible ventilation paths

Proven Microbial Reduction

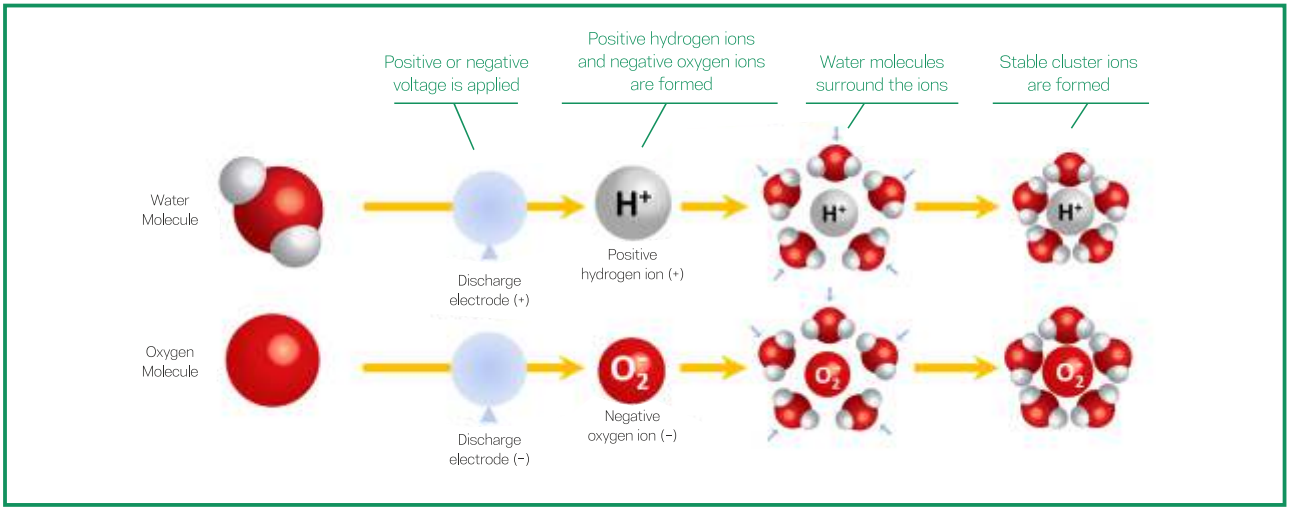
Independent studies confirm that bipolar ionisation delivers effective control of airborne microbes and viruses including Legionella, Norovirus, influenza strains and other respiratory pathogens. The ions attach to microbial surfaces, extract hydrogen, disrupt their integrity and neutralise their ability to survive and reproduce.

Flexible Installation

The BiPolar Ioniser is designed for seamless integration across:

- Non-ducted split AC units
- Ducted systems
- AHUs
- Standalone wall-mounted units

Multiple capacity options are available–from 4 TR room air systems to 6,000 CFM HVAC applications, ensuring scalability from homes to commercial and industrial buildings.



JeevanDhārā - Outdoor Filtration

Engineering Cleaner Urban Environments

Advanced Outdoor Air Quality (OAQ) solutions designed to reduce airborne pollutants, particulate matter, odors and harmful contaminants across urban and public environments.

Engineered for real-world outdoor conditions, these systems combine intelligent purification, filtration, air movement and monitoring technologies to create healthier, safer and more sustainable communities.

Intelligent Outdoor Air Quality Solutions

Designed to improve ambient air quality in high-density and pollution-prone outdoor environments.

- Core Technologies
- Advanced Electrostatic Filtration
- PM 2.5 & Fine Particulate Reduction
- Intelligent Air Movement Systems
- Real-Time Environmental Monitoring
- Smart Automation & Control Systems

Engineered For Outdoor Performance

Built for continuous operation and reliable purification under demanding environmental conditions.

Key Features

- High-efficiency pollutant removal
- Weatherproof outdoor construction
- Energy-efficient system operation
- Scalable airflow configurations
- Low maintenance requirements
- Intelligent monitoring capabilities
- Real-time air quality sensing

Applications

Designed for diverse urban, commercial and infrastructure environments.

Suitable For:

- Commercial Buildings
- Public Infrastructure
- Healthcare Facilities
- Campuses & Smart Cities
- Industrial Environments
- Transportation & Transit Spaces
- Urban Public Areas

Environmental & Operational Benefits

Solutions engineered to support healthier communities and sustainable urban infrastructure.

Key Benefits

- Improved Outdoor Air Quality (OAQ)
- Reduction in airborne particulate matter
- Healthier & safer public environments
- Enhanced environmental sustainability
- Optimized operational efficiency
- Long-term performance & reliability

Gas Phase & Chemical Filtration

Advanced Filtration for Cleaner Air

Modern environments face airborne challenges that go beyond particulate matter. Chemical contaminants, VOCs, odors and corrosive gases can impact occupant wellbeing, equipment reliability and overall environmental performance.

Our gas-phase and chemical filtration solutions are engineered to adsorb, neutralize and control a wide range of gaseous contaminants. Combining advanced media, activated carbon, sorbents and catalytic technologies, these systems provide targeted air treatment for demanding indoor and critical environments.

From commercial buildings and healthcare facilities to data centres, cleanrooms and industrial applications, our solutions help deliver cleaner air, improved environmental control and long-term protection.

Solutions

- Activated Carbon & Media Solutions
- Microbial-Sorbent Media
- Packaged Filter Units (PFU)
- Chemical Filtration Units (CFU)
- Catalytic & Gas Phase Filtration (PCO)

Key Benefits

- Effective gas-phase & chemical contaminant control
- Reduces VOCs, odors & harmful gases
- Improves Indoor & Outdoor Air Quality
- Protects people, equipment & critical environments
- Supports environmental safety & operational performance
- Scalable solutions for diverse applications

Activated Carbon & Media Solutions

High-Performance Gas-Phase Filtration for Odor, VOC & Corrosive Gas Control

Activated Carbon and specialised chemical media play a critical role in environments where particulates are not the only threat. Many facilities face gaseous pollutants, VOCs, odors, corrosive fumes and chemical vapours that conventional particulate filters cannot remove.

Our advanced media solutions deliver high adsorption efficiency, long media life and reliable contaminant control, protecting people, processes and infrastructure.

Why Activated Carbon?

Activated carbon is processed to create microporous structures with extraordinarily large internal surface area – over 3,000 m^2 per gram – enabling high-capacity adsorption of harmful gases and odors. Superior porosity, controlled granule size and specialised impregnation make it effective against a wide spectrum of contaminants including:

- VOCs & chemical vapours
- Hydrogen sulphide & sulphur compounds
- Formaldehyde and aldehydes
- Ammonia & acidic gases
- Industrial process emissions
- Food, waste and wastewater odors

Engineered Media Options

To address different air quality challenges, we offer a comprehensive portfolio of specialised media and hybrid blends:

- Standard Activated Carbon: Coconut/coal-based, high iodine value, excellent organic vapour removal
- Carbon + KMnO Blends: Enhanced gas removal for sulphur, ammonia and corrosive gases
- Permanganate Impregnated Alumina: Powerful oxidising capability for aggressive contaminants
- Microbial & Antimicrobial Media: Designed to reduce biological load while removing gases
- Custom Formulations: Tailored to application chemistry and loading requirements

Modular & Scalable Designs

Media solutions are provided in refillable modular systems designed for flexibility, longer dwell time and ease of maintenance:

- Modular V-Bank Carbon Panels – extended surface area for higher residence time
- Cylindrical Canisters & Honeycomb Trays – compact, efficient absorption architecture
- Carbon Refillable Trays & Cassettes – service-friendly, economic lifecycle
- Integrated System Compatibility – suitable for AHUs, ducts, packaged units and standalone scrubbers

Designed to operate with low pressure drop, offering reliable performance without compromising airflow efficiency.

Performance & Reliability Built-In

- High adsorption efficiency and measurable removal performance
- Long-life media with predictable service intervals
- Robust construction using GI / Aluminium / Stainless Steel options
- Compatible with high-density odor, VOC, wastewater and industrial exhaust applications
- Proven results across hospitality, industrial, infrastructure, commercial and mission-critical environments

V, Shape Carbon Panels

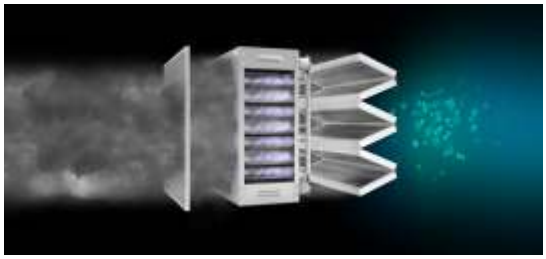
GI/Aluminium Alloy/SS Casing

Modularized Construction

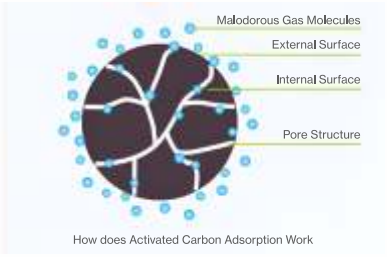
Coal/Coconut based Cylindrical Carbon

Carbon Refill with Ease

Highly Effective in Odor Removal

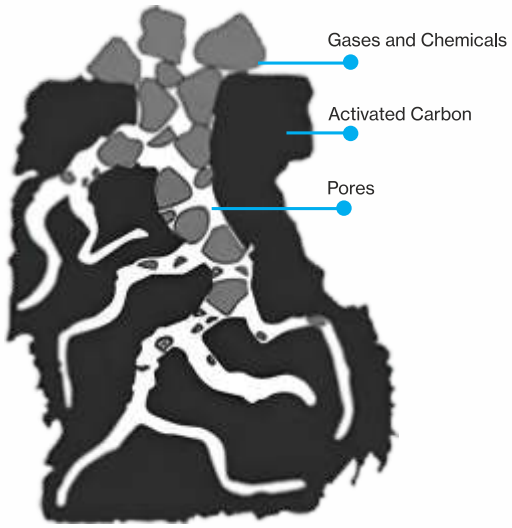


Coal-based Cylindrical Activated Carbon

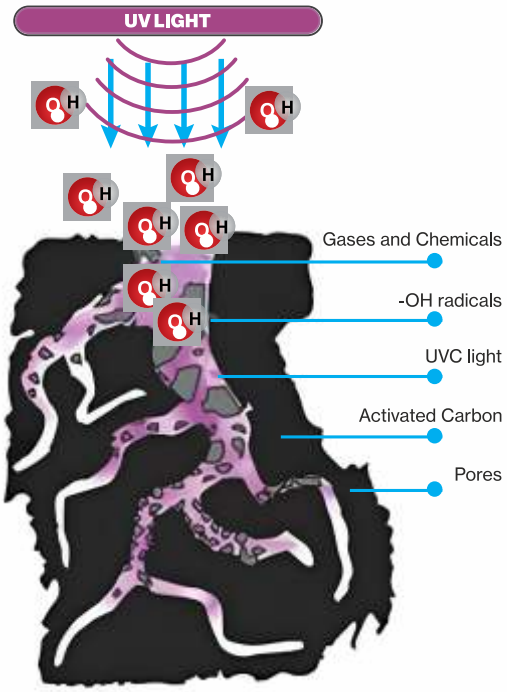


How does Activated Carbon Adsorption Work

General activated carbon gets blocked very quickly and loses its effectiveness



Activated carbon adsorbs gases and chemicals



Activated carbon adsorbs gases and chemicals much better with UVC light whilst - OH radicals neutralise them

Where It Makes the Difference

- Wastewater & Sewage Odor Control Systems
- Industrial Emissions & Process Areas
- Data Centres & Electronic Corrosion Protection
- Commercial Kitchens & Food Processing
- Healthcare, Pharma & Sensitive Environments
- Public Infrastructure & Smart City Applications

Result

Cleaner air. Controlled odors. Safer environments. Protected assets.

Activated Carbon & Media Solutions deliver reliable, advanced and customisable gas-phase filtration designed for the demands of today's built environments.

Microbial-Sorbent Media

Advanced Antimicrobial Gas-Phase Filtration for Safer Indoor Environments

Microbial-Sorbent™ is an advanced antimicrobial adsorbent media engineered to deactivate viruses, bacteria and fungi while simultaneously removing harmful gaseous contaminants. Designed with a proprietary high-permanganate formulation, it delivers over 99% microbial deactivation, offering a significantly safer and healthier air quality environment for mission-critical, sensitive and high-occupancy spaces.

What Makes It Different

Unlike conventional activated carbon that only adsorbs gases, Microbial-Sorbent™ combines gas removal + antimicrobial action in a single powerful solution.

- High permanganate concentration (>12%) for superior pathogen neutralisation
- Proven effectiveness against viruses including SARS-CoV-2
- Deactivates bacteria, fungi and airborne pathogens
- Improves indoor hygiene and reduces infection risks

Proven Laboratory Performance

Extensive international third-party validation confirms Microbial-Sorbent™ effectiveness across pathogens:

- H1N1 Virus Reduction: 99.83%
- Highly effective against flu-causing viruses and airborne infections
- Demonstrated success across industrial, healthcare and commercial environments

How It Works

Microbial-Sorbent™ leverages the oxidative power of potassium permanganate combined with specialised formulation chemistry to:

- Disrupt and neutralise viral and bacterial structures
- Prevent microbial survival and reproduction
- Simultaneously adsorb gas-phase contaminants and VOCs
- Enhance overall indoor air quality and safety

Forms & Integration

Designed for engineering flexibility and easy deployment, Microbial-Sorbent™ is available as:

- Granular or Pellet Media
- Honeycomb Trays
- Modular Cartridges
- Bonded Pleated Filters
- Refillable Media Assemblies

Seamlessly integrates into AHUs, ducts, packaged filtration systems, PFUs, hospital HVAC, industrial ventilation and specialised IAQ systems, maintaining efficient pressure drop profiles.

Where It Delivers Maximum Value

- Hospitals, ICUs, Healthcare & Labs
- Data Centres & Electronic Protection Environments
- Airports, Metros & High-Footfall Public Spaces
- Industrial & Waste Management Facilities
- Commercial Buildings, Workplaces & Education
- Hospitality & Sensitive Indoor Environments

Why Choose Microbial-Sorbent™

- Scientifically validated antimicrobial performance
- Safer alternative to ozone-based solutions
- Long-life, high-capacity gas & pathogen control
- Enhances occupant safety, wellbeing & operational continuity
- Supports healthier indoor environments with measurable outcomes

Result

Cleaner Air. Protected People. Safer Spaces.

Microbial-Sorbent™ sets a new benchmark in antimicrobial air purification media–delivering confidence through engineering, science and proven performance.

Packaged Filter Units (PFU)

Compact by Design

PFUs are stand-alone, vertical airflow air purification systems engineered for spaces where performance, noise control and footprint matter.

- Space-efficient vertical configuration
- Quiet operation for occupied environments
- Plug-and-play or hardwired options
- Ideal for retrofit and tight installations

Customizable Filtration Architecture

Each PFU is configured to match the specific contaminant profile and airflow requirement of the application.

- Modular multi-stage filtration
- Options for:
  - Particulate filtration
  - Gas phase & chemical filtration
  - Advanced oxidation media
- Positive sealing to prevent air bypass
- Easy access doors for quick maintenance and media replacement

Mission-Critical Protection

PFUs are designed to safeguard people, processes and sensitive equipment.

- Protects electronics and IT infrastructure from corrosive gases
- Maintains stable air quality in critical environments
- Supports compliance with ASHRAE and ISA air quality standards
- Ensures continuous operation with high reliability

Typical Applications

- Data centers & server rooms
- Control rooms & command centers
- Healthcare & laboratory spaces
- Industrial clean zones
- Commercial buildings with localized air quality challenges
- Temporary or permanent air treatment needs

PFUs deliver powerful air purification—where fixed HVAC systems fall short.

Chemical Filtration Unit (CFU)

Effective, Measurable AQI Improvement for Demanding Environments

The Chemical Filtration Unit is an engineered, multi-stage air purification system designed to rapidly improve indoor air quality while addressing both particulates and gaseous contaminants simultaneously. It integrates Mechanical Filtration, Electronic Filtration, UVPCO Technology, Activated Carbon Filtration and optional chemical media to provide a single powerful solution for complex IAQ challenges.

Within just one hour of operation, the system can improve AQI levels by 80–90%, delivering immediate and visible impact in real-world conditions.

Outcome You Can See

The Chemical Filtration Unit is performance-led, not speculative. It is designed to help environments quickly move toward safer indoor thresholds with the following target achievements:

- PM 2.5: 50–70 ppm
- PM 10: 40–60 ppm
- HCHO: 0–0.01 ppm
- TVOC: 0.03–0.05 ppm

For environments with unique risk profiles, custom gas-phase cartridges can be added to address specific chemical contaminants and corrosive gases.

Where It Delivers Best

- Hospitals & Healthcare Facilities
- Corporate Workspaces & Commercial Buildings
- Data Centres & Control Rooms
- Industrial & Manufacturing Facilities
- Airports, Metros & Rail Infrastructure
- Hospitality, Education & Public Buildings

Ideal for spaces needing continuous air safety, regulatory confidence and health-forward environments, especially where conventional filtration systems fall short.

Activated Carbon

Permanganate Impregnate Alumina

Engineering Advantage

Built as a robust horizontal system with double-skin insulated construction, aluminium profile framework and multi-layer filtration architecture, the unit ensures durability, thermal stability and consistent airflow. Key sections include:

- Washable Pre-Filters – high dust-holding efficiency
- Electronic Air Cleaner (EAC) – removes fine particulates down to 0.3 microns
- UVPCO Section – breaks down VOCs through advanced oxidation
- Activated Carbon Section – adsorbs odors and harmful gases
- Optional Chemical Media Stage – for targeted contaminant control
- Final Filters – ensure high-quality clean air delivery

Each filtration stage is monitored using differential pressure gauges, ensuring system performance visibility and maintenance ease. Fan, motor and fully integrated control panel ensure stable performance at required external static pressures.

Significance

- Rapid AQI transformation with measurable results
- Simultaneous particulate, chemical and microbial control
- Scalable, configurable and adaptable to application needs
- Engineered reliability with long-term lifecycle value
- Supports compliance, wellbeing, productivity and asset protection

Result

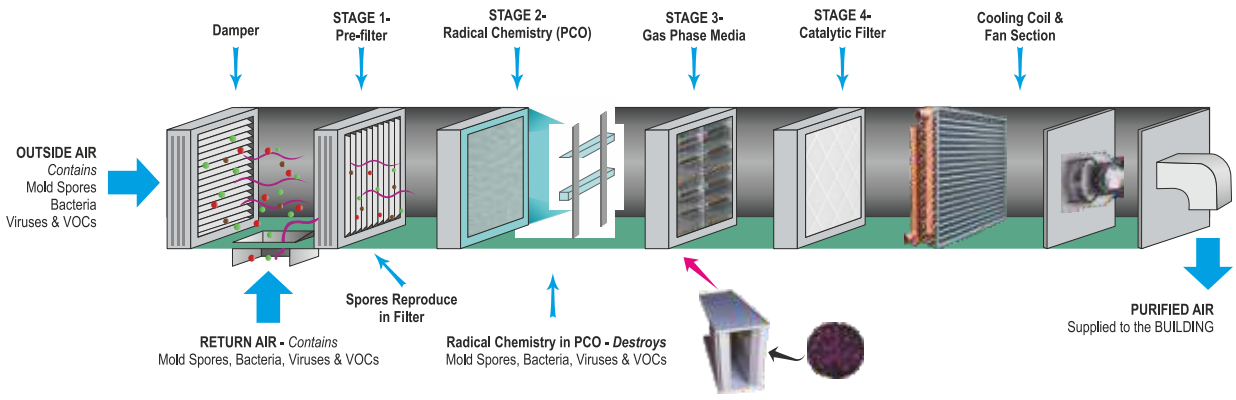
Cleaner, safer, healthier indoor environments – powered by proven engineering and outcome-driven air quality performance.

Catalytic & Gas Phase Filtration (PCO)

What It Removes

PCO systems are engineered to eliminate gaseous and molecular pollutants that traditional filters cannot capture.

- Volatile Organic Compounds (VOCs) (formaldehyde, solvents, paints, chemicals)
- Odors (kitchens, waste areas, restrooms, industrial fumes)
- Airborne pathogens (viruses, bacteria, mold, fungi)
- Hazardous gases (sulphur compounds, hydrocarbons, nitrogen oxides)



Why It's Effective

PCO works at the molecular level, not by trapping contaminants but by destroying them.

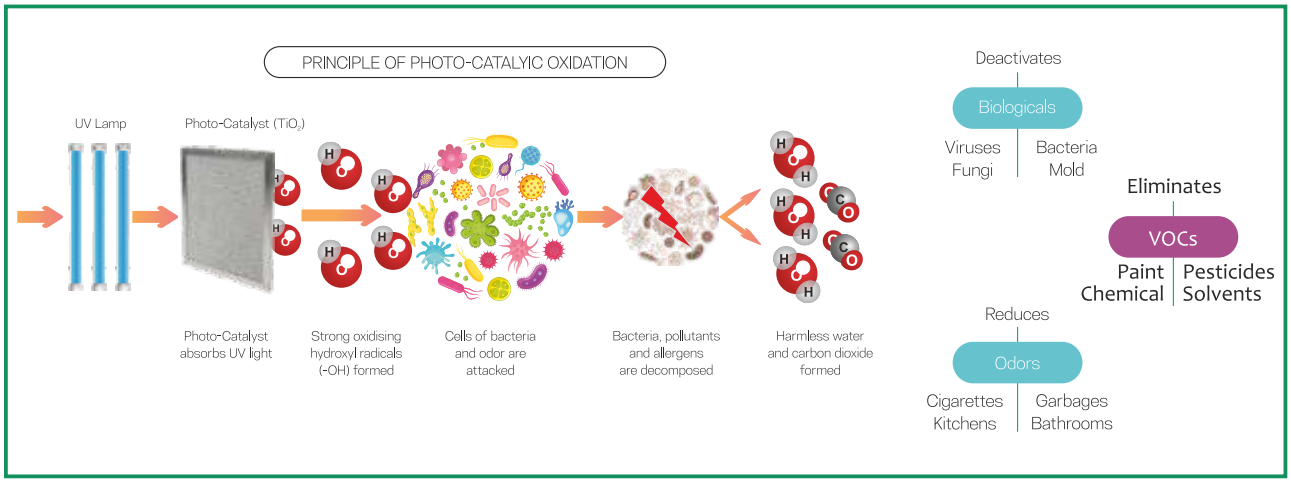
- UV-C light activates a titanium dioxide (TiO_2) catalyst
- Generates highly reactive hydroxyl radicals
- Radicals oxidize pollutants into harmless carbon dioxide and water
- Gas phase media provides extended contact time for deep adsorption
- Low pressure drop allows seamless HVAC integration
- No harmful emissions or secondary pollutants

This makes PCO ideal for continuous, high-efficiency air purification in demanding environments.

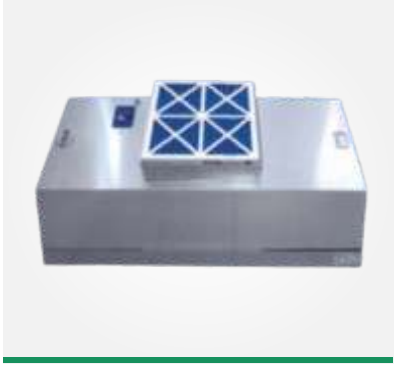
Ideal Applications

- Commercial & corporate buildings
- Healthcare facilities & laboratories
- Industrial and manufacturing units
- Data centers & electronics facilities
- Waste handling & utility areas
- Areas with persistent chemical or odor challenges

PCO delivers clean air by design–neutralizing what filters cannot catch.



Special Filtration Products



Fan Filter Unit

HEPA Filters

Return Air Riser SS

Riser

Air Movement & Ventilation

Movement Creates Life Within Buildings

In partnership with LTI Ventilatoren, a globally recognized leader in ventilation engineering, Myaire delivers advanced air movement solutions designed for high-performance and mission-critical environments.

Modern buildings demand intelligent ventilation systems that go beyond airflow — enabling pressure management, smoke extraction, thermal comfort, environmental safety and optimized Indoor and Outdoor Air Quality. Through this partnership, we combine advanced ventilation engineering with integrated environmental solutions to create healthier, safer and more sustainable spaces.

From commercial and healthcare facilities to industrial, infrastructure and critical environments, our air movement systems are engineered for reliability, energy efficiency, compliance and long-term operational performance.

Solutions

- Axial Flow Fans
- Jet Ventilation Systems
- Centrifugal Fans
- Inline & Cabinet Fans
- Smoke Extraction Systems
- Pressurization Systems

Key Benefits

- Optimized airflow & ventilation performance
- Effective smoke extraction & pressure management
- Enhanced thermal comfort & occupant safety
- Improved Indoor & Outdoor Air Quality
- Energy-efficient and scalable systems
- Engineered for critical & high-performance environments

Centrifugal In-Line Fan

CIL

- Backward curved centrifugal impeller
- Speed controllable external rotor motor
- Compact in size
- Lighter in weight
- High efficiency
- Low sound level

CIL-EC

- Backward curved centrifugal impeller
- Speed controllable EC motor
- Compact in size
- Lighter in weight
- High efficiency
- Low sound level
- Energy efficient

Mixedflow In-Line Fan

FM

- Higher airflow with medium static pressure
- Polymide casing and impeller
- Mixed flow impeller
- Speed controllable external rotor motor
- Compact in size, Lighter in weight
- High efficiency, Low sound level

Square Cabinet Fan

LRE/I

- Speed-controllable
- Integral thermal contact
- Can be installed in any position
- I-Series with acoustic insulation for super quiet operation
- Maintenance-free and reliable
- Low sound level
- Backward curve centrifugal impeller

Multi Box Fan

BOX-D

- Double inlet centrifugal fan
- Forward curved impeller
- Built In motor
- Direct driven
- Insulated cabinet for low noise level
- Particularly for Air-extraction & Air filtrations system

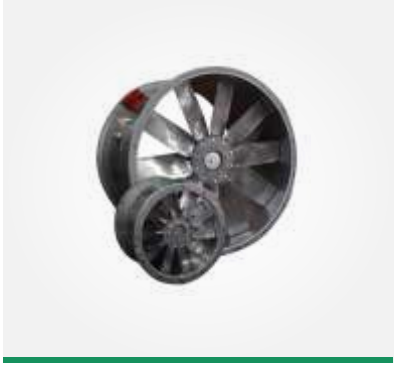
MBF

- Speed-controllable
- Modular system
- Can be installed in any position
- Integral thermal contacts
- Low sound level
- Maintenance-free and reliable

BOX-T

- Double inlet centrifugal fan
- Forward/backward curved impeller
- Belt driven
- Insulated cabinet for low noise level
- Suitable for Air- extraction & Air filtrations system

Axial Fan



Smoke Extraction Axial Fans

- Hot dipped galvanized casing
- Aluminium die-cast aerofoil impeller
- Adjustable pitch angle
- Sizes Ø315-1600mm, Ø1800mm, 2400mm and above available on request
- Maintenance free & reliable IEC motors
- High temperature series for 300°C/2hrs or 400 deg/2hrs
- Special application versions available on request

Bifurcated Axial Fans

- Hot dipped galvanized casing
- Aluminium die-cast aerofoil impeller
- Adjustable pitch angle
- Motors out of the air stream
- Single phase motors upto 2.2 kw
- High temperature series for 300°C/2hrs or 400 deg/2hrs

Roof Axial

- Polymide roof cowl
- Size up to 1250 mm
- Aluminium die-cast aerofoil impeller
- Adjustable pitch angle
- Reliable & maintenance free
- High temperature series for 300°C/2hrs

Wall Mounted Axial

- Speed-controllable
- Integral thermal contacts
- Maintenance-free and reliable
- LW models with Wall plate mounting
- LR models with flanges for duct mounting
- Casing and impeller made of GI steel

Jet Fan

- For daily ventilation and smoke extraction in case of fire F300 (300ºC/2 hrs)
- Aerofoil impellers for maximum thrust and with low sound level
- Motors IP55, insulation class H (smoke extract); motors IP55, insulation class F (CO-exhaust).
- Hot dipped galvanised casing
- Removable fan module also after installation for easy maintenance
- Certified in accordance to BS 7346: Part 2 / En 12101-3
- Centrifugal range available on request.

Domestic Fan

- Window/wall/ceiling mounted fans
- With integral back draught damper
- Polymide casing and impeller for rust protection
- Light in weight
- Sizes 4" to 12"

Chemical Resistant Fan

- Polypropylene (PPH) casing w/o welding joints
- Injection mounded FW wheel made of PPH
- Direct driven 230v/400v/50hz/60hz motors
- Motor outside the air stream
- 3~ motors can be controlled with frequency converter
- Motor mounting accessories available for different applications
- ATEX Zone II, category 3 G execution in accordance with ATEX directive 94/9/CE. (on request)
- Transported air temperature max upto 80ºC

Big Smart Fans

- Air movement system for large industrial & agriculture facilities
- For increasing productivity & comfort in large spaces
- Big Smart Fans used for cooling, heat de-stratification
- Gearless magnetic motor variant available
- Variable pitch technology
- Easy to install, operate, maintain , multi mode control capability
- Max fan dia 24' can mix air up to 576,000 CMH in up to 20,000 square feet using very little energy
- Vertical pole installation possible

EC Fans

- High Efficiency: Advanced EC motors deliver superior energy efficiency and reduced power consumption.
- Variable Speed Control: Precise speed modulation enables airflow to match real-time system requirements.
- Low Noise Operation: Optimised motor and fan design ensures quiet and comfortable operation.
- Reliable Performance: Built-in electronic controls provide stable operation, long service life and easy system integration.
- Versatile Applications: Ideal for AHUs, ventilation systems, data centres, cleanrooms and other HVAC applications.

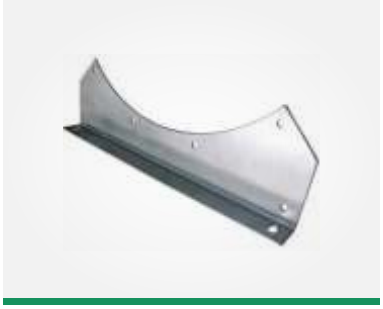
Fan Accessories

Complete Solutions for Reliable Fan Installation

Efficient fan performance depends not only on the fan itself, but also on the right accessories for installation, connection, protection and maintenance. Our range of fan accessories is designed to support seamless integration across HVAC, ventilation and air movement applications.

From mounting and suspension systems to weather protection, ducting and airflow components, these solutions ensure secure installation, improved durability and dependable system performance across diverse environments.

Wire Suspension

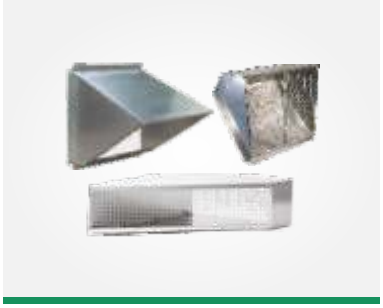


Fan Mounting Feet

Bird Gaurd

AHU Canvas

Fan Matching Flanges



Weather Protection Cowl

GI Access Doors

Rain Protection Cowl
For Axial Fans

Gravity Louver

Acoustic Products

Acoustic is defined as the science that deals with the production, control, transmission, reception and effects of sounds. We are a team of passionate Acoustic experts & technicians, with vast experience in solving complex retrofit noise complaints with a genius approach. We are always at your 'beck and call' to discuss the matter and offer a design and execution plan to solve the noise problem at hand.

Importance of Acoustic Products

Good acoustics improve speech intelligibility ensure optimal concentration and reduce fatigue. Our hearing is designed to hear sound from one direction, but when you are in reverberant room you hear sound from all sides.

Applications

- Cinema Hall
- Theatre Hall
- Conference Room
- Auditoriums
- Domestic and Commercial Buildings
- Industrial Buildings
- Hospitals

Acoustic Products

Acoustic Louver

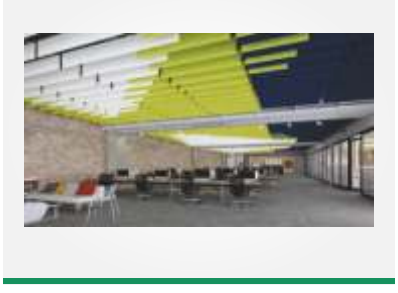
Acoustic Door

Acoustic - Spray

Acoustic Lagging

Acoustic Underlay

Architectural Louvers



Acoustic Baffle

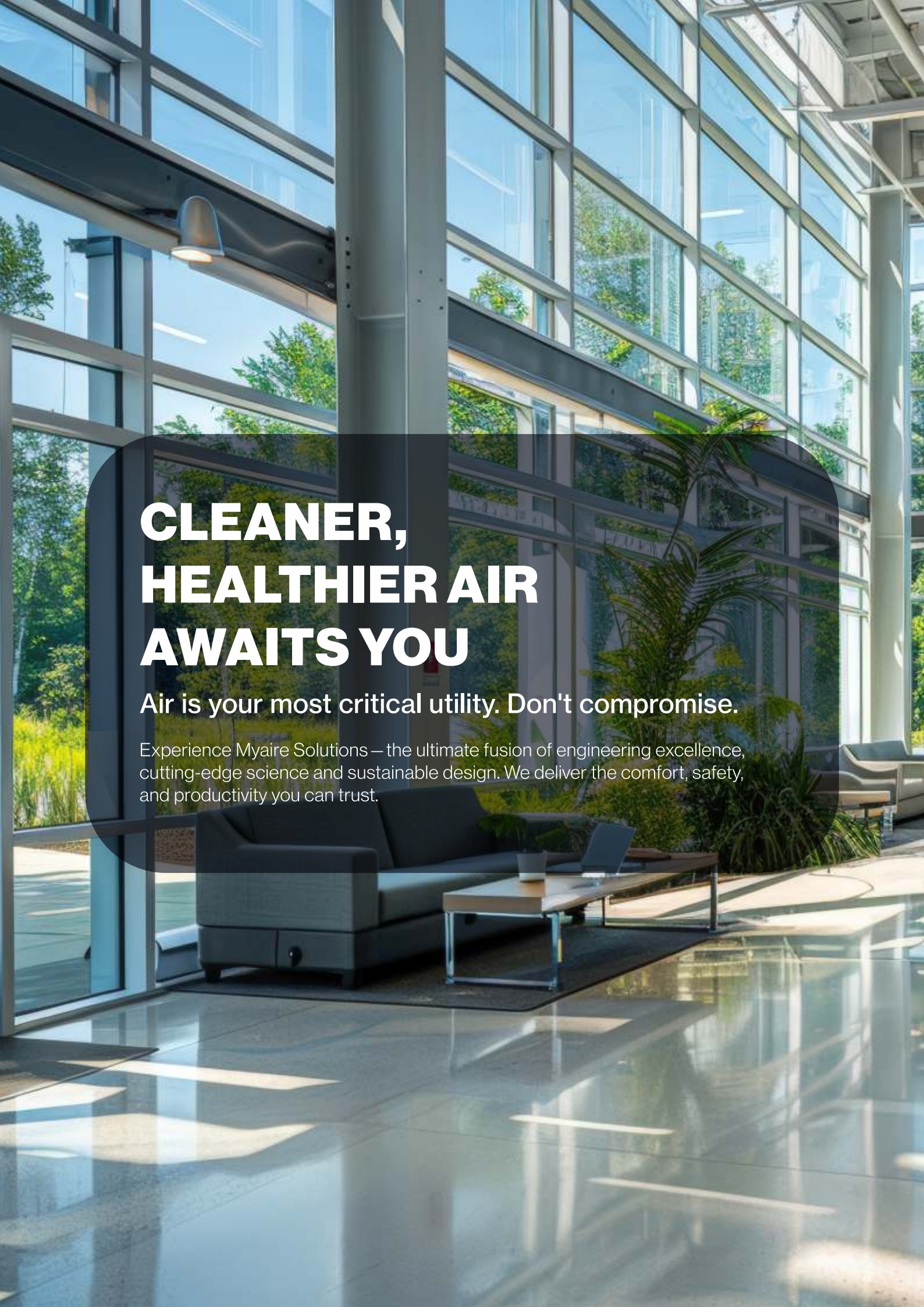
Floating Floor

Inertia Base

Fabric And Pet Panels

Sound Attenuators

Sand Trap Louvers



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