

TRANSPORTS

ReSPR TECH

Safely and cost-effectively

Introduction

- ReSPR technology does what no normal purification system can to continuously control fine air particles, airborne bacteria, VOCs and surface pathogens – safely and cost-effectively.
- Revolutionary ReSPR actively reaches out and disinfects contaminated air and hidden surfaces (unlike normal purification systems).
- Natural It's safe, and eco-friendly, using processes found in nature.
- New Ideas Proven In Space ReSPR was developed for use in space stations, the most challenging indoor environment.
- Filter-Free and Chemical-Free ReSPR does not require filter changes and also eliminates the need for masking and cleansing chemicals.
- Low Energy and Maintenance It uses little power and needs negligible upkeep.
- Proven Worldwide ReSPR is used daily inside businesses across all industrial and commercial sectors, giving amazing, continuous results.
- ReSPR is Active, Not Passive.

Our unique system reaches out to disinfect air particles and surfaces without the need to worry about incoming air or air exchange rates.

Traditional Purification Systems

Filters, uv, ionization, wet scrubs. ReSPR Air/Surface Purification



The ReSPR Indoor Difference	Traditional Purifiers	ReSPR
Reduces particles under 0.3µm	-	+
Destroys 99.99% of pathogens & VOCs	-	+
Acts on surfaces	-	+
Eliminates stubborn odors	-	+

Who uses ReSPR ?

ReSPR focuses on delivering environmental conditioning products across all industrial & commercial sectors and to the heating and air conditioning industry in general. See our individual sector pages for full information.

Our worldwide customers enjoy the common sense benefits and the natural advantages of ReSPR as a complement to traditional filter systems or as effective standalone solutions.

Transportation

Everyone has got off a flight, bus or train journey and wondered if they are going to get sick afterwards. The risk of infection in enclosed mass transit spaces from recycled air is very high unless that air is continuously disinfected (and not just filtered) and surfaces cleaned properly. The whole transit system is at risk too, from passenger lobbies to baggage handling areas. And in international arrivals the chance of serious disease spread is too often a reality. Traditional ventilation systems do not disinfect. ReSPR's space-tested technology is the solution for continuous purification.

- Removes up to 99.9% of surface & air pathogens,
- Disinfects gases that cause unpleasant odors,
- Proactively refreshes indoor air, naturally & safely,
- Counters imperfections in normal HVAC systems,
- Provides scalable solutions & low operating costs,
- Stops infection spreading & lowers staff absenteeism,
- Passenger Experience Is Improved With Cleaner Air,

There's no getting away from the fact that shared transportation systems are a key source of infection spread. But there's no need for them to be. Neither do flights or long bus journeys have to be marked by unpleasant, unhygienic odors (or worse still, by the smell of chemical masking agents that just cause more VOCs and allergic reactions). Modern technology has been developed to safely create fresh air, indoors. Tried and tested in space missions, the ultimate enclosed environment, it works to deliver fresh, clean, natural air. This is available now as an add-on to a standard ventilation system, with immediate results for you and your passengers.



SCUBA CONVERGED SYSTEMS

ReSPR
TECHNOLOGIES

The Problem Solved

ReSPR revolutionary technology stands out for its ability to attack gases and bacterial threats. It uses up to 5 natural processes to actively recreate fresh, outdoor air conditions in a safe, sustainable way. ReSPR has been proven to be more effective than chemical or filter solutions at reducing microorganism concentrations in the air & on surfaces. Unlike filters, it works proactively, using two types of ionization to reduce particles, UV light and a catalyst to create oxygen and hydrogen-based friendly oxidizers, reducing microbial contaminants and odors. No-one does it like Activtek does.

ReSPR at Work

Continuous solutions with ReSPR fixed or portable products

- Every day ReSPR is developing innovative solutions to the problems
- traditional filters don't solve in the transportation sector. Special conditions, such as vibrations in buses, are taken into consideration by our technical teams.

The ReSPR range is built into existing ventilation ducting, is visually unobtrusive & needs minimum maintenance. For mobile sites and vehicles, ReSPR DuctStations provide plug and play options adapted to the transport type.

- The science: Independent tests show that ReSPR is green and energy efficient and treated air is 99.999% free of harmful microorganisms, circulating as fresh air. We give only positive results without downtime for expensive chemical cleaning.

Bus transportation operators in Brazil & Mexico have installed prototypes of customized Activtek ductstation solutions, specially designed to eliminate restroom odors and food preparation smells from the small kitchens on board. Two units are installed per bus and are built to be tamper proof and cope with vehicle transit vibrations.

Results: Our partners in these tests are delighted with the results and improvement to the bus-riding experience for their customers. ReSPR plasma purifies the air during journeys.

Aeropuerto Internacional de la Ciudad de Mexico

The busiest airport in Latin America (by aircraft movement) faced the typical odor and contaminant challenges of a large dynamic transport hub with 30 million passengers. The operators wished to counter odor issues in the old terminal, in particular in high contaminant restroom areas, and also foresee proactive purification measures in the public areas of the new terminal under construction. 185 x DuctStation Box units were installed in restrooms in the old terminal with a provision for over 500 x ReSPR HVAC units installations in air handling units (AHUs) in both new and old terminals.

Results: Odors have been eliminated in restrooms with the proactive ReSPR technology, giving the user a better service. There has been reduction of particle dissemination in the public areas, improving air quality and comfort for international passengers and reducing the risks of contamination.

Refrigerated Trucks or Containers

When perishable goods are moved around in sealed environments, any contaminants inside can cause serious damage. Add to this the strong odors emitted by many products that linger & can contaminate future goods transported, and it is clear ReSPR's eco-friendly, flexible products provide a modern solution that traditional ventilation systems cannot provide.

