



GREENTECH

ENVIRONMENTAL



Allen Johnston

GreenTech Founder and CEO



Former Raytheon Missile Systems Engineering Manager

- Responsible for 225 Engineers & Technicians
- Missile Technology must work dependably
- Lives depend on the technology, and execution in product

Same Principals in Air Purification.

- We ARE under attack from air pollution, VOC's, bacteria, mold, and viruses
- Lives and Health of people depend on our technology
- Still in Strategic Air Defense – just fighting a different threat!



“We have sealed our buildings with Deadly Precision”

Dr. James Marsden, KSU

A proper Assessment and proper Remediation is critical. I can only imagine the difference had this been done in the school which my mother taught.

But remediation doesn't completely protect the building occupants....

The Missing Piece of the Puzzle....



Even if the building returns a near zero contamination after remediation, recontamination is inevitable. **Every building needs an IAQ system to sustain a healthy environment.**

Passive vs. Active

“Bring the Solution to the Pollution”



- ▶ GreenTech uses **Active Air Purification** that goes out into the room rather than the air to pass through a filter

Benefits

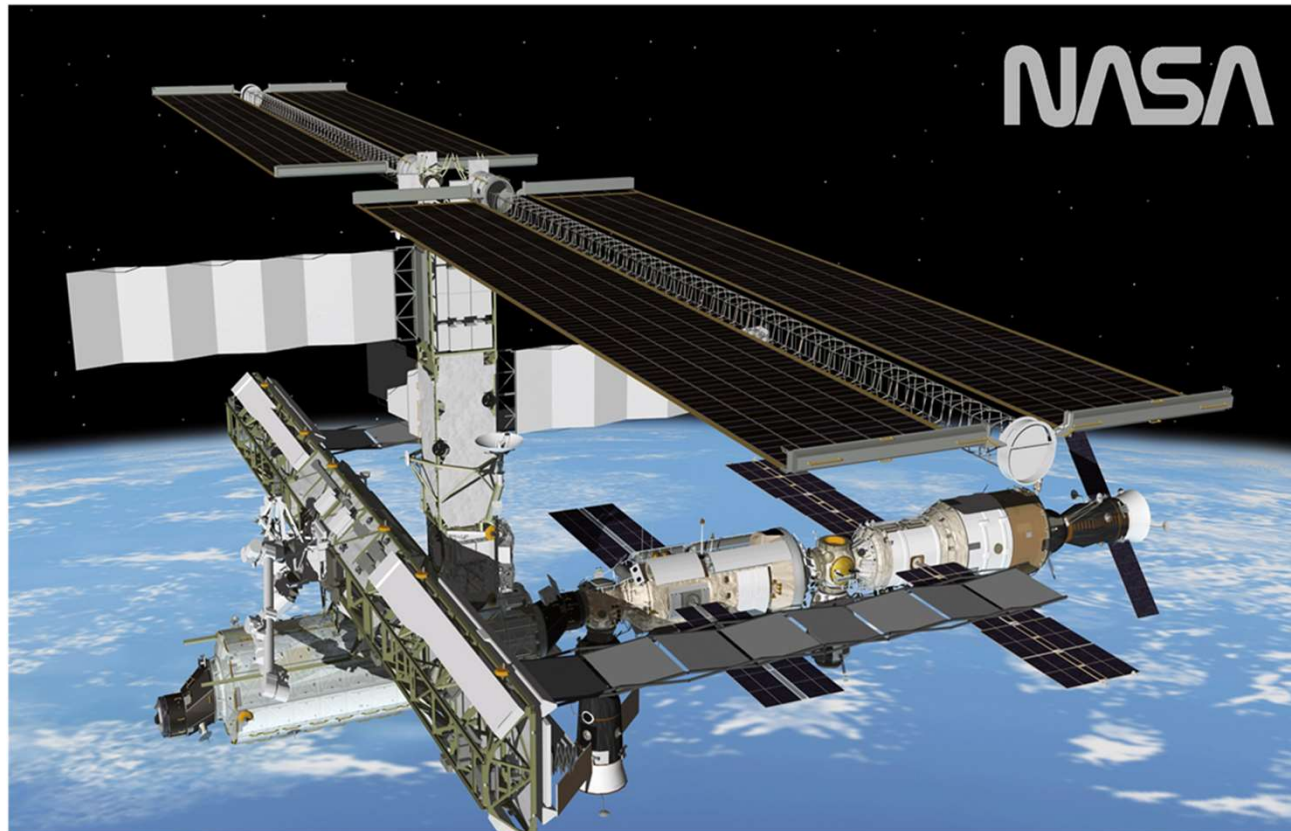
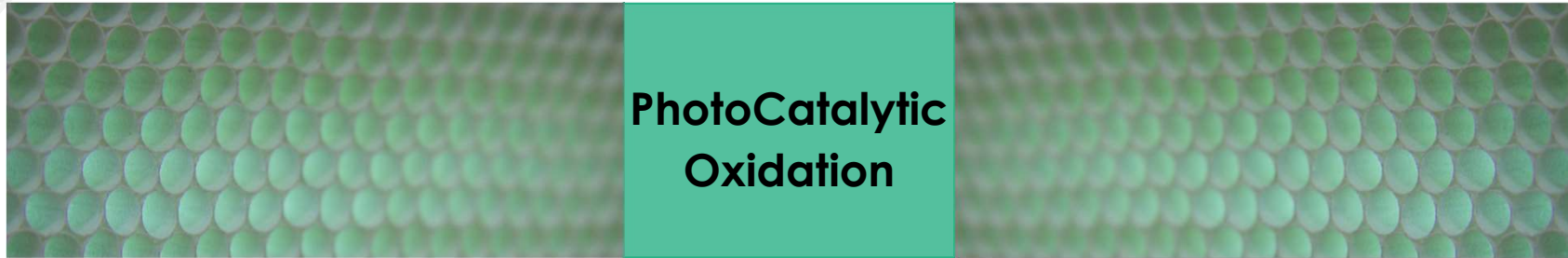


- ▶ Cleaner air
- ▶ Cleaner surfaces
- ▶ Dramatically less allergens
- ▶ More comfortable living
- ▶ HEALTHIER LIVING

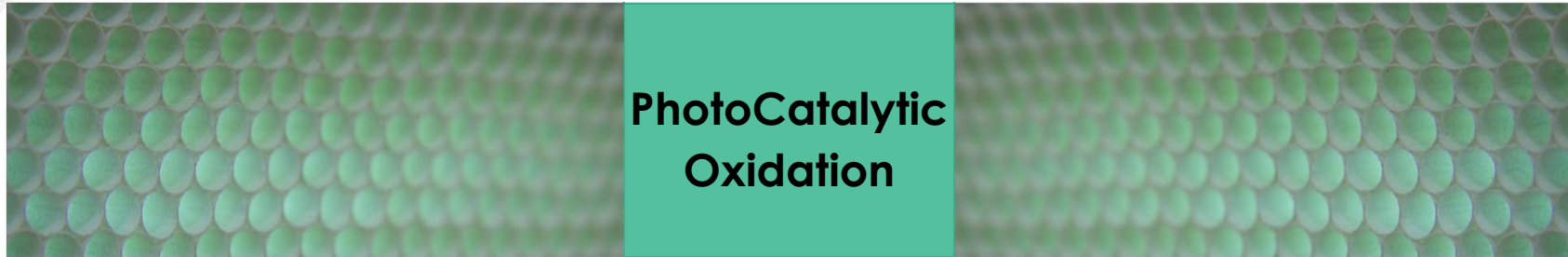
So how do we do it?

It's all about the
Technologies and how
they are applied.

The Technologies



The Technologies

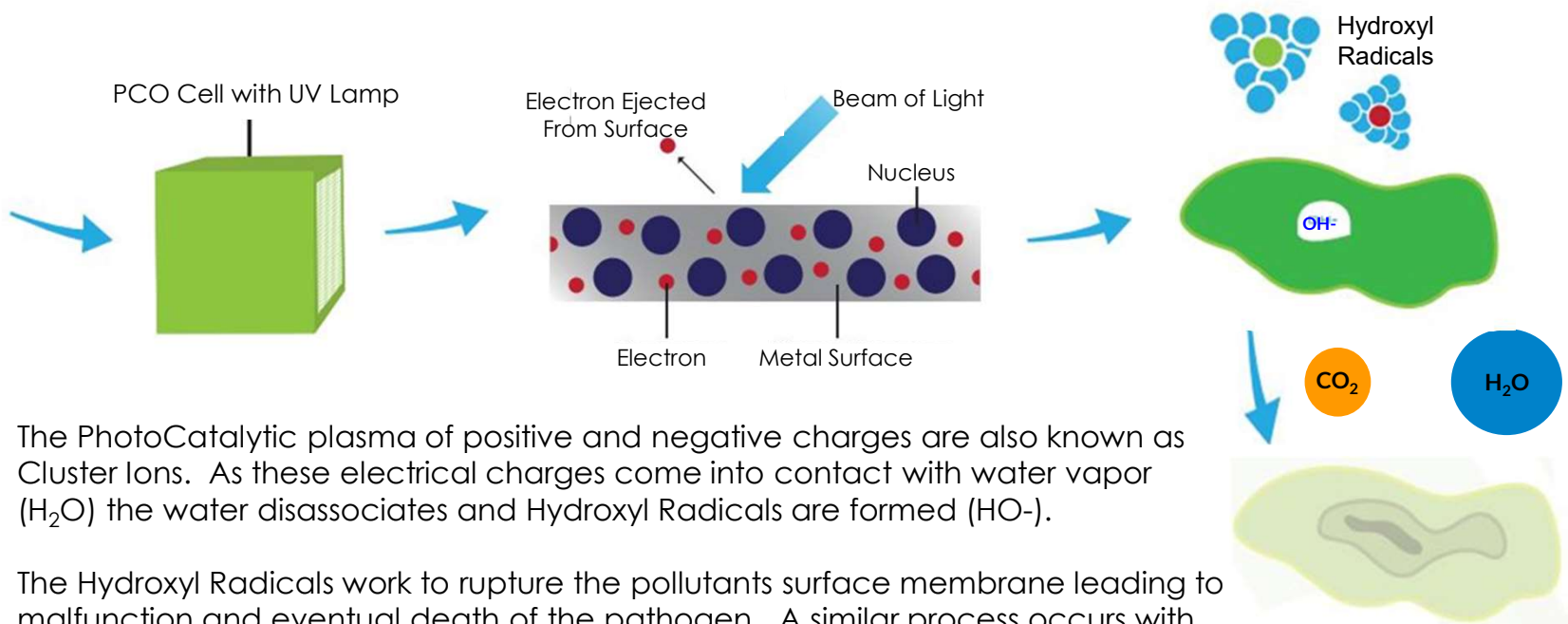


PhotoCatalytic Oxidation (PCO) technology generates two key purifying technologies:

1. a plasma of positive and negative charges (H^+ and O_2^-)
2. advanced Oxidation Products (AOP's), a combination of hydrogen and oxygen compounds such as vaporized hydrogen peroxide (H_2O_2), Hydroxides (OH^-), superoxides (O_2^-).

This replicates nature's purifying process of using ultraviolet energy to activate a multi-metal catalyst and convert water vapor into peroxide and hydroxyls. These powerful oxidizers penetrate the cell wall and inactivate the microbe through the process of cell lysing, thus changing the molecular structure and rendering the contaminant harmless. The result is the significant reduction or even elimination of **odors, Volatile Organic Compounds (VOCs), mold, bacteria, and viruses.**

The Technologies

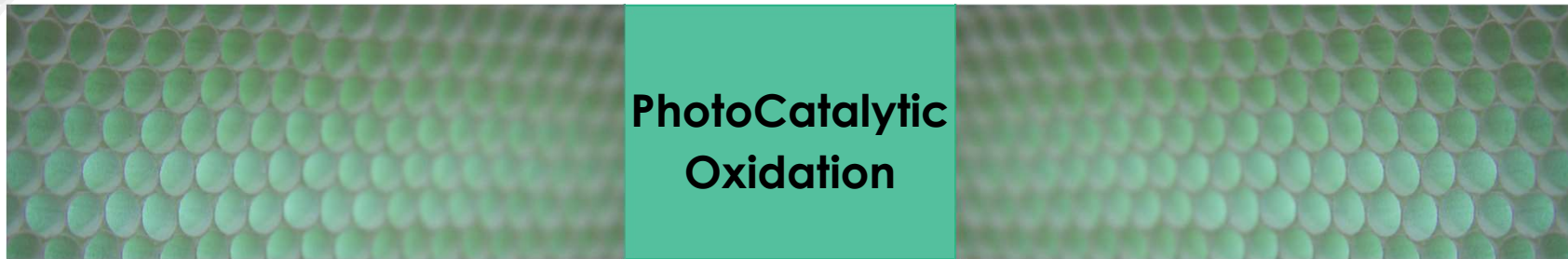


The PhotoCatalytic plasma of positive and negative charges are also known as Cluster Ions. As these electrical charges come into contact with water vapor (H₂O) the water disassociates and Hydroxyl Radicals are formed (HO⁻).

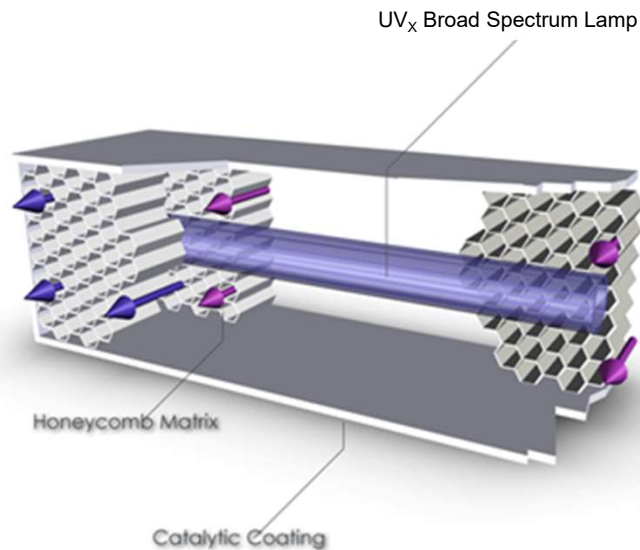
The Hydroxyl Radicals work to rupture the pollutants surface membrane leading to malfunction and eventual death of the pathogen. A similar process occurs with the dissociation of VOC's, with only Carbon Dioxide and Water Vapor remaining.

There are a number of PhotoCatalytic products on the market called Hydroxyl Generators, typically 385nm and TiO₂ products.

The Technologies



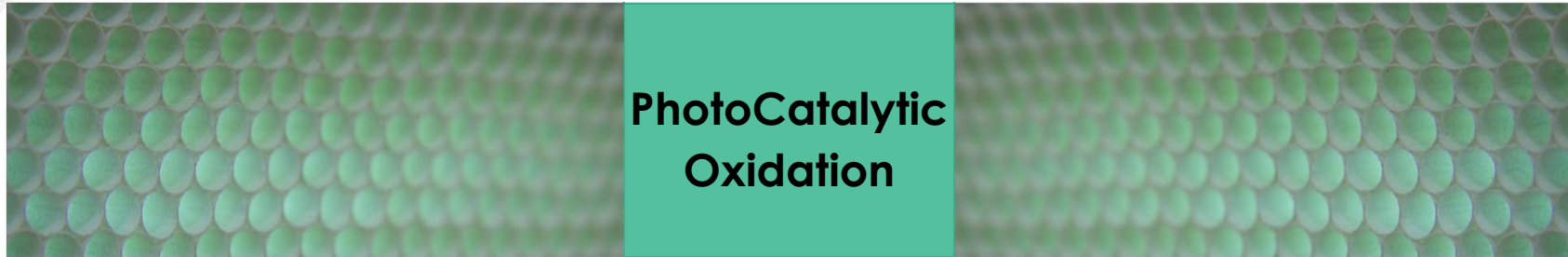
A Unique PCO System



What makes the GreenTech photocatalytic technology superior:

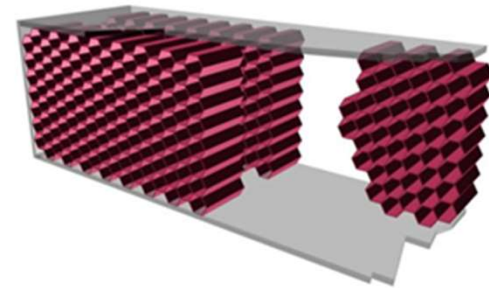
1. USA made broad-spectrum UV lamp – not just 254 nm
2. Hydrated Coating
3. Proprietary Quad Metallic catalyst formula
4. Maximum surface area – 16.4 times greater than competitors

The Technologies

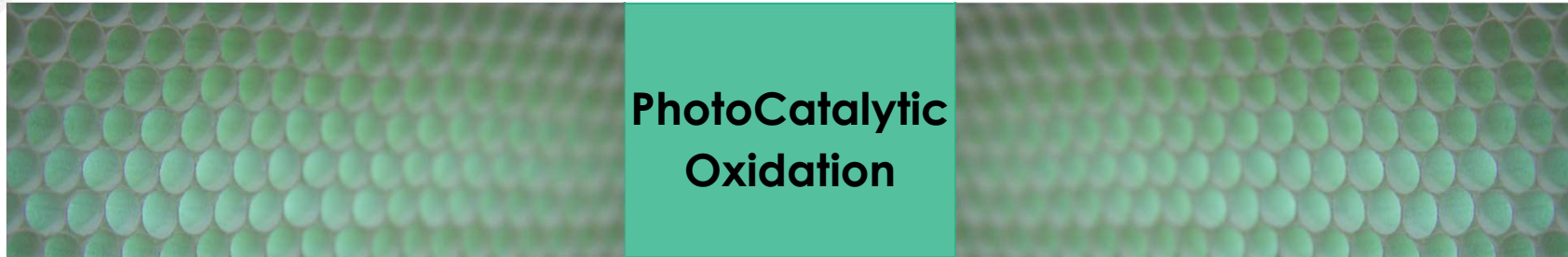


GreenTech's Proprietary Catalyst

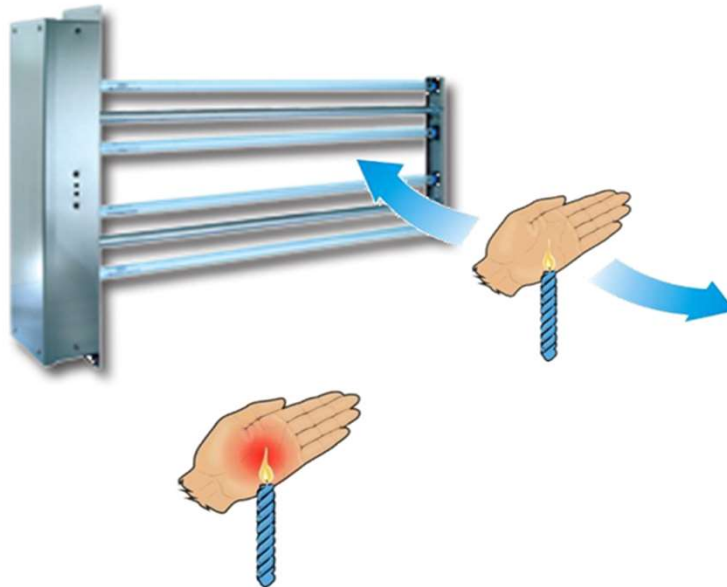
- **Rhodium** – Converts Nitric Oxide to Nitrogen and Oxygen
- **Titanium** – *“when TiO_2 is exposed to UV light of a wavelength below 385 nanometers in the presence of water vapor, two highly reactive substances are formed: hydroxyl radicals $[OH]$ and a superoxide ion $[O_2^{-1}]$.”*
- **Silver & Copper** – Speeds up the reaction process



The Technologies



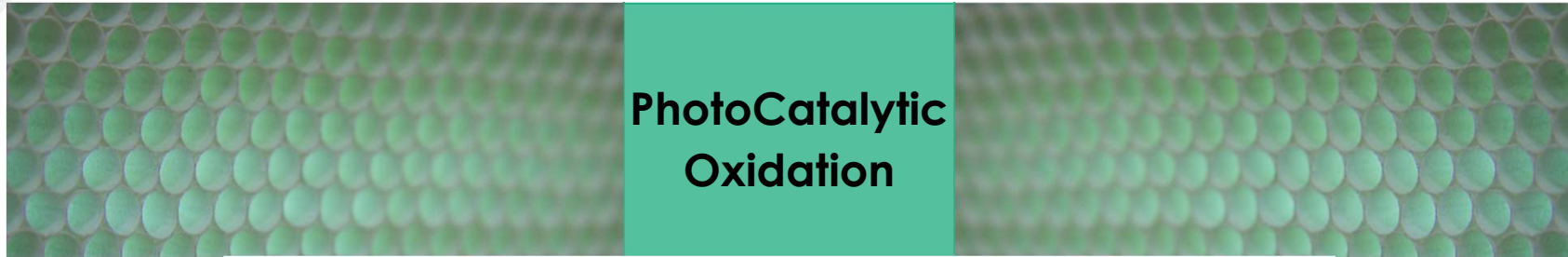
PASSIVE Germicidal UV Lights



**We are NOT PASSIVE Germicidal
UV Technology**

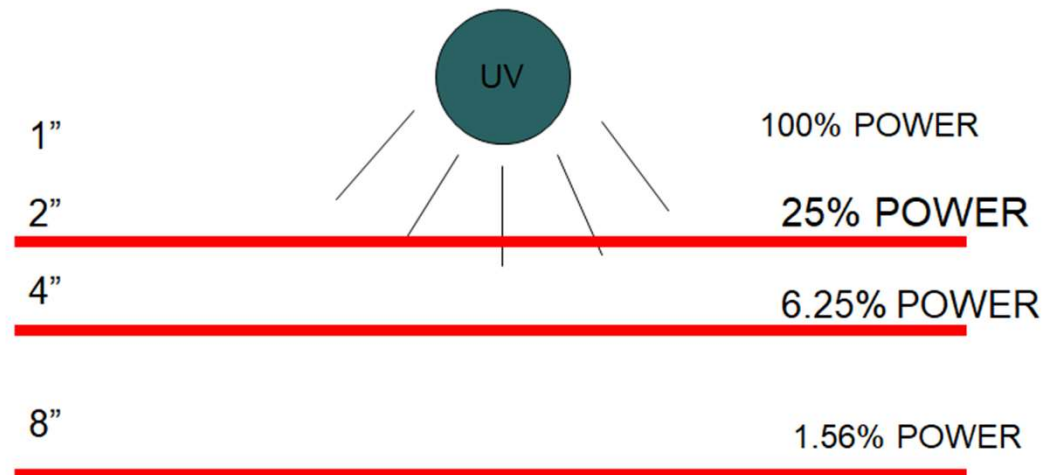
- The goal is to get bacteria and viruses to the UV light. However, there are many **IF'S** influencing Germicidal UV effectiveness.
- **IF** you can get the pollutant to the UV light...
- **IF** the time exposure is long enough, there is Questionable Effectiveness.

The Technologies



Germicidal Ultra Violet Light

Inverse Square Law



The Technologies



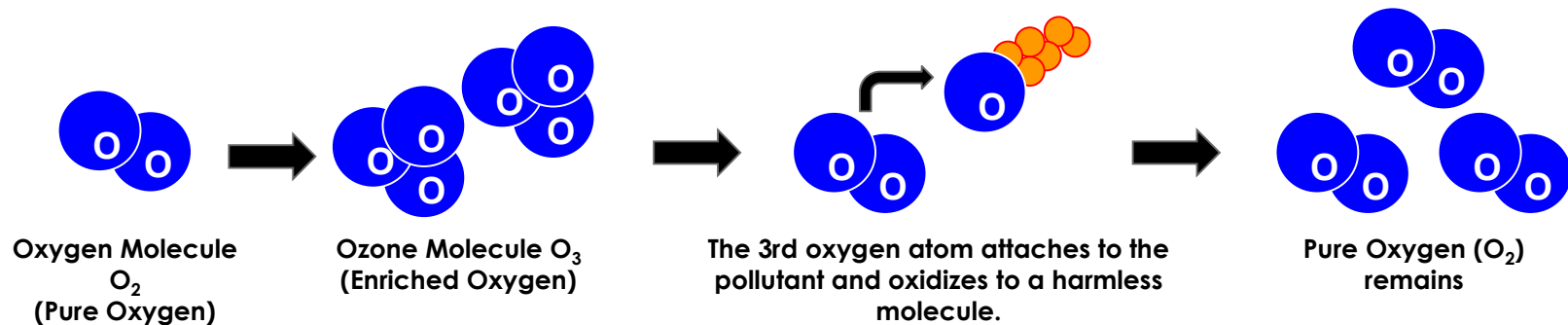
Ozone, (O_3), sometimes called "activated oxygen", contains three atoms of oxygen rather than the two atoms we normally breathe. Ozone is the second most powerful sterilant in the world and can be used to destroy bacteria, viruses and odors. Interestingly ozone occurs quite readily in nature, most often as a result of lightning that occur during thunderstorms.

While ozone is very powerful, it has a very short life-cycle. When contaminants such as odors, bacteria or viruses make contact with ozone, they are destroyed completely by oxidation. In so doing, that extra atom of oxygen is consumed and only breathable oxygen remains. Ozone has a $\frac{1}{2}$ life of 20 minutes.

The Technologies



Ozone is produced via ultraviolet light or corona discharge. Corona discharge creates ozone by applying high voltage to a metallic grid sandwiched between two dielectrics. The high voltage jumps through the dielectric to a grounded screen and in the process, creates ozone from oxygen present in the chamber. Ultraviolet (UV) light creates ozone when a wavelength at 185-254 nm (nanometers) hits an oxygen atom. The O_2 molecule splits into two oxygen atoms, which combine with another O_2 molecule to form ozone (O_3).



The Technologies



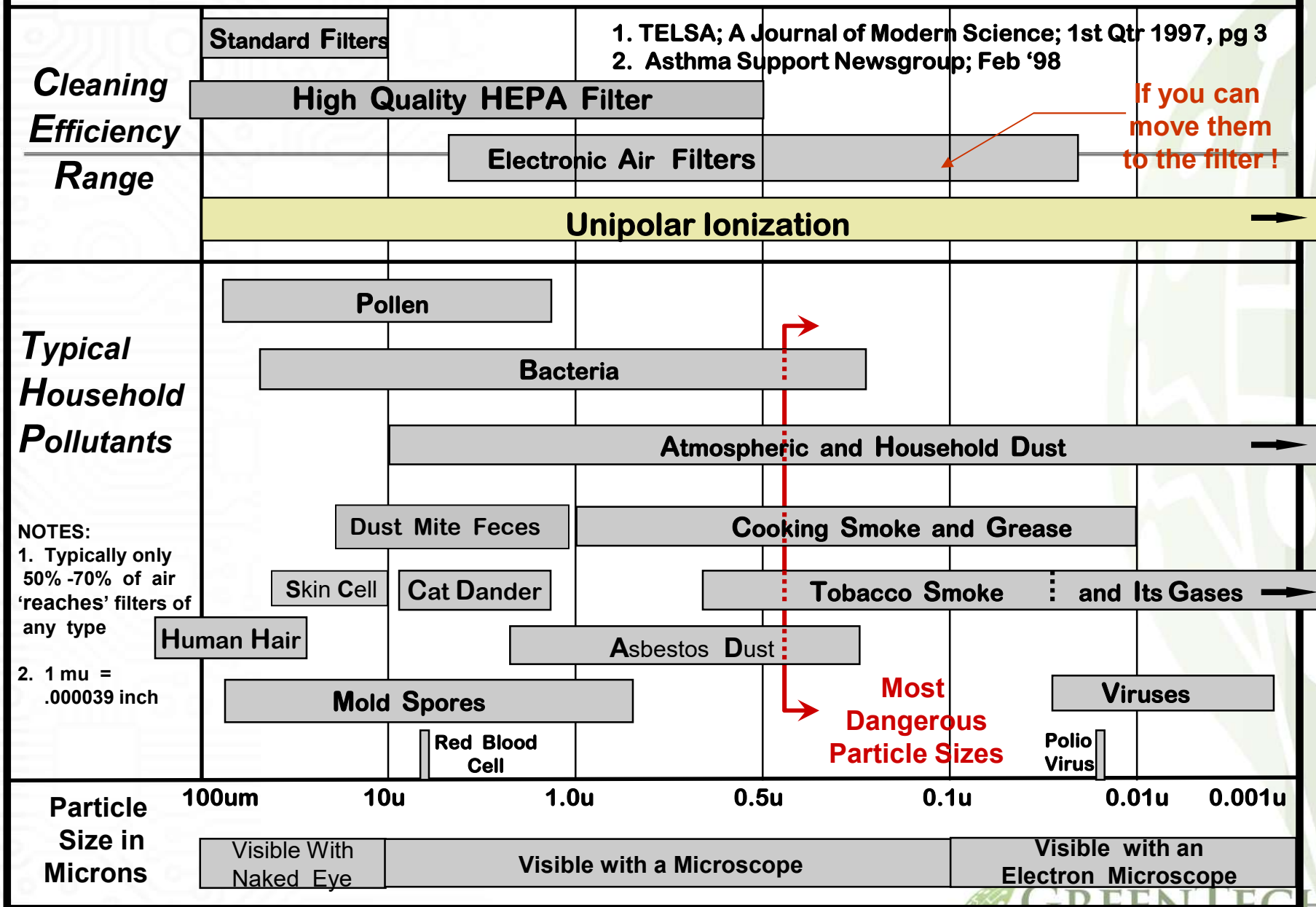
- Ozone is one of nature's most powerful oxidizers and is in ALL outdoor environments
- Ozone reduces odors and VOC's including mold, bacteria & virus
- Just like Oxygen & other naturally occurring elements Ozone can be Dangerous at High Levels
- The last 40 years has shown that too low a level of ozone is also proving to be dangerous
- Ozone is proven to be effective even at low levels

The Technologies



- Ions = charged particles which travel out into the environment, charging particulate in the air, which then attracts oppositely charged particles, allowing them to gain sufficient mass to be filtered or fall to the ground.
- Precipitates micro-fine particles
- GreenTech Air technology incorporates Needlepoint Unipolar ionization, 2M ions/cu cm (Typical)
- Why is it important?

Why introduce unipolar ionization into the air ?



Residential & Commercial Air & Surface Purification

The Duct System is the #1
problem area

Duct Air Purification System

Features

- Using existing air handler and attached ducting, purification is distributed evenly throughout the ventilated space
- Reduces airborne and surface contaminants such as bacteria, viruses, VOCs, mold, and mildew
- Provides an ionizing effect to reduce airborne particles
- Purifies the HVAC ducts and kills mold on the A-Coil and drip pan
- Eliminates odors at the source
- Ideal for most indoor spaces
- Safe for humans and animals
- LED function lights confirm continuous operation
- Minimal maintenance

Technology

- Photo-Catalytic Oxidation (PCO)
- Utilizing Proprietary Formula Germicidal UV Disinfection (Ozone or Non-Ozone Producing)

Applications

- All indoor spaces with a ducted air system
 - Homes
 - Offices
 - Schools
 - Day Care Facilities
 - Nursing Homes
 - Hospitals
 - Veterinary Clinics



Model	Cubic Feet of Coverage	Electrical	Dimensions - H x W x D (Including Mounting Plate)	Weight
5" Cell	6,000 ft ³	14.0 Watts	9.75" x 9.75" x 8.75"	2.4 lb
9" Cell	16,000 ft ³	17.0 Watts	9.75" x 9.75" x 12.0"	2.85lb
14" Cell	40,000 ft ³	16.0 Watts	9.75" x 9.75" x 17.75"	2.8 lb
Dual 14"	80,000 ft ³	33.0 Watts	9.8" x 11.3" x 17"	4.5 lb

Application Results



Test Data from a home in Central Florida in USA before and after 212mm (9") in-duct system installation

Summary of Results Spores/cu meter

	<u>Before</u>	<u>After</u>
• Aspergillus/Penicillium	13,300	80
• Cladosporium	1,360	80
• Arthrospores	>12,000	0
Total Fungi	>33,100	320
• Fibrous Particulate	800	160
• Hyphal Fragment	3,120	80
• Insect Fragment	400	80
• Pollen	80	40
Total Particulate	4,420	360

**Micro-5(™) Cassette Analysis of Fungal Spores & Other Airborne Particulates by
Optical Microscopy (EMSL Method M001)**

Lab Sample Number	340601072-0001								
Client Sample ID	388233								
Volume	25								
Sample Location	master bedroom								
Spore Types	Raw Count	Spores/m³	% of Total	Raw Count	Spores/m³	% of Total	Raw Count	Spores/m³	% of Total
Agrocybe/Coprinus	-	-	-						
Alternaria	-	-	-						
Arthrinium	-	-	-						
Arthrospores	>300	>12000	36.3						
Ascospores	1	40	0.1						
Aspergillus/Penicillium	333	13300	40.3						
Basidiospores	12	480	1.5						
Bipolaris	-	-	-						
Chaetomium	-	-	-						
Cladosporium	34	1360	4.1						
Curvularia	-	-	-						
Epicoccum	-	-	-						
Fusarium	-	-	-						
Ganoderma	-	-	-						
Memnoniella	4	160	0.5						
Myxomycete	4	160	0.5						
Paecilomyces	117	4680	14.2						
Pithomyces/Ulocladium	-	-	-						
Rust	-	-	-						
Scoptariopsis	17	680	2.1						
Stachybotrys	-	-	-						
Torula	-	-	-						
Unidentifiable Spores	5	200	0.6						
Zygomycetes	-	-	-						
Total Fungi	>827	>33100	100						
Fibrous Particulate	20	800							
Hyphal Fragment	78	3120							
Insect Fragment	10	400							
Pollen	2	80							
Analytical Sensitivity		40							
Skin Fragments (1-4)		2							
Background (1-5)		2							

Before

**Micro-5TM) Cassette Analysis of Fungal Spores & Other Airborne Particulates by
Optical Microscopy (EMSL Method M001)**

Lab Sample Number	340802014-0001								
Client Sample ID	388105								
Volume	25								
Sample Location	master bedroom								
Spore Types	Raw Count	Spores/m ³	% of Total	Raw Count	Spores/m ³	% of Total	Raw Count	Spores/m ³	% of Total
Agrocybe/Coprinus	-	-	-	After					
Alternaria	-	-	-						
Arthrinium	-	-	-						
Arthrospores	-	-	-						
Ascospores	2	80	25						
Aspergillus/Penicillium	2	80	25						
Basidiospores	-	-	-						
Bipolaris	1	40	12.5						
Chaetomium	-	-	-						
Cladosporium	1	40	12.5						
Curvularia	-	-	-						
Epicoccum	-	-	-						
Fusarium	-	-	-						
Ganoderma	-	-	-						
Myxomycete	-	-	-						
Nigrospora	2	80	25						
Paecilomyces	-	-	-						
Pithomyces/Ulocladium	-	-	-						
Rust	-	-	-						
Scoptulariopsis	-	-	-						
Stachybotrys	-	-	-						
Torula	-	-	-						
Unidentifiable Spores	-	-	-						
Zygomycetes	-	-	-						
Total Fungi	8	320	101						
Fibrous Particulate	4	160							
Hyphal Fragment	2	80							
Insect Fragment	2	80							
Pollen	1	40							
Analytical Sensitivity		40							
Skin Fragments (1-4)		2							
Background (1-5)		1							

Emergency Vehicle Purification System

Features

- Photo-Catalytic Oxidation Technology
- Destroys airborne & surface contaminants such as VOCs, Odors, Bacteria, Viruses, Mold, etc.
- Distributes oxidation evenly throughout the environment
- Attacks pollutants in the air and on surfaces
- Eliminates odors to create a cleaner, safer vehicle
- Available in Flush Mount and Surface Mount models.

Applications

- EMS, Fire, and Rescue Vehicles

Specifications

- Electrical: 12V DC .07A
- Dimensions:
 - Flush Mounted: 16" L x 9.5" W x 2.5" D
 - Surface Mounted: 14" L x 7.5" W x 2.5" D
- Weight: 2.7lbs
- Warranty: 2 Year Limited Warranty



Surface-Mount Model

Flush-Mount Model



Emergency Vehicle Purification System used in the Ambulance to transport Ebola patients



Emory's decision to accept the patients was made in coordination with the U.S. State Department and the CDC, and was based on medical need, **confidence in Emory's preparedness**, including 12 years of training to address highly communicable diseases, and Emory's ability to use the experience to advance knowledge.

Commercial Air & Surface Purification System

Benefits

- Reduces VOC Levels
- Eliminates Pathogens
- Significantly Reduces Odors
- Improves Food Safety
- Prolongs Food Shelf-Life
- Prevents Disease-Causing Microorganisms

Features

- Convenient Wall Mounting
- Glowing Unit Operating Window
- Optional Ported Blower Plate & Hoses
- Sleek & Easy to Maintain
- Replaceable PCO Cell
- Warranty: 2 Year Manufacturer's Warranty

Technologies

- Photo-Catalytic Oxidation
- Germicidal UV Disinfection (Ozone or Non-Ozone Producing)



Power

- Input Voltage: 100-240 VAC 50/60Hz
- Operating Voltage: 12VDC
- Operating Wattage: 10.9W
- Operating Amperage: .91A

Performance

- Ozone Output: <0.05 ppm
- Coverage: 8000 ft.3 or 1000 ft.2
- Airflow:
 - 10 CFM (grill application)
 - 3CFM (ported application)

Mountable Air Purification System



Benefits

- Powerful Remediation
- Sized for Multiple Locations
- Mounts to Save Space
- Wide List of Applications
- Reduces Mold, Bacteria, & Viruses
- Eliminates Odors & VOC's
- For Use in Spaces Without HVAC Ducting
- Warranty: 2 Year Manufacturer's Warranty

Technologies

- Photo-Catalytic Oxidation
- Germicidal UV Disinfection (Ozone or Non-Ozone Producing)

Performance

- Airflow: 70 CFM
- Ozone Output: < 0.05 ppm
- Coverage: 6000 ft.3

Power

- Input Voltage: 24VDC
- Operating Voltage: 24VDC
- Operating Wattage: 12.9W
- Operating Amperage: .53Aa

Commercial Air & Surface Purification & Remediation Equipment

OverWatch (Floor Model)



Large Area Surface & Air Purification

Features

- Photo-Catalytic Oxidation Technology
- UV-Lamp Ozone
- HEPA FILTER
- Powerful Remediation Capability
- Significantly reduces mold, bacteria, and viruses
- Reduce odors in the air & embedded in upholstery from sources such as food, pets, mold and smoke.
- Exceptional Portability
- Sleek aluminum casing

Applications

- Large Occupied Spaces
- Hospital, Nursing Home, Vet Clinic, School, Daycare, Gym, Locker Room, Restaurant, Cafeteria, etc.

Specifications

- Input: 120V / 60Hz or 220V / 50Hz
- Usage: Min 143W / 1.43A, Max 274 W/2.78A
- Airflow: 409 CFM
- Dimensions: 18.5" L x 21 4.75" W x 20.5" H
- Weight: 39 lbs.
- Aluminum Cast
- Four 14" PCO Cells
- Two 12" x 12" Filters
- Four locking caster wheels
- Two carry handles
- Warranty: 2 years



OverWatch (Suspension Model)



Large Area Surface & Air Purification

Features

- Photo-Catalytic Oxidation Technology
- UV-Lamp Ozone
- Powerful Remediation Capability
- Significantly reduces mold, bacteria, and viruses
- Eliminates odors
- Available in aluminum or stainless steel casing (for applications that require water-resistance for water washing).

Specifications

- Input: 120V / 60Hz or 220V / 50Hz
- Usage: Min 143W / 1.43A, Max 274 W / 2.78A
- Airflow: 262 CFM
- Dimensions: 25" L x 26.5" W x 23.5" H
- Casing
 - Aluminum
 - Stainless Steel
- Weight:
 - Aluminum - 39 lbs.
 - Stainless Steel - weight TBD
- Four 14" PCO Cells
- Two mounting bars
- Warranty: 2 years

Applications

- Food Processing
- Storage Facility
 - Meat
 - Fruit
 - Vegetables
 - Flowers
 - Greenhouse



**Aluminum
Casing**



**Stainless Steel
Casing**

OverWatch (Suspension Model)



Test Results in Chicago Meat Processing Plant

Pre-Treatment

TEST REPORT

Sample Identification: 1-9/16 Pre Swab Control Panel Top North Packaging Line

Sample # 161414560-01

	<u>Result</u>	<u>LOD*</u>
<i>Aerobic Plate Count</i>	>3,000 cfu/ml	10 cfu/ml
<i>Total Coliform / E. coli</i>	1,090 cfu/ml/10 cfu/ml	10 cfu/ml
<i>Salmonella (P/A)</i>	Absent	10 cfu/ml
<i>E. coli O157:H7</i>	Absent	10 cfu/ml

Post-Treatment

TEST REPORT

Sample Identification: 1-10/16 Post Swab - Control Panel Top North Packaging Line

Sample # 161415958-01

	<u>Result</u>	<u>LOD*</u>
<i>Aerobic Plate Count</i>	980 cfu/ml	10 cfu/ml
<i>Total Coliform / E. coli</i>	<10 cfu/ml/<10 cfu/ml	10 cfu/ml
<i>Salmonella (P/A)</i>	Absent	10 cfu/ml
<i>E. coli O157:H7</i>	Absent	10 cfu/ml

OverWatch (Roll Around Model)



Remediation of Athletic Facility in Pompano Beach Florida



OverWatch (Roll Around Model)



AEML Test: A001 Spore Trap Analysis

Sample ID:	161215P006		
Client Sample ID:	Office Reception 6853		
Volume Sampled (L):	75		
Media:	Allergenco D		
Percent of Trace Analyzed:	100% at 600X Magnification		
Spore Types	Raw Count	Count/m ³	%
Alternaria	—	—	—
Arthrinium	—	—	—
Ascospores	—	—	—
Aspergillus/Penicillium-Like	—	—	—
Basidiospores	—	—	—
Bipolaris/Dreschlera	—	—	—
Botrytis	—	—	—
Chaetomium	—	—	—
Cladosporium	4	53	100
Curvularia	—	—	—
Epicoccum	—	—	—
Fusarium	—	—	—
Ganoderma	—	—	—
Memnoniella	—	—	—
Nigrospora	—	—	—
Oidium/Peronospora	—	—	—
Pithomyces	—	—	—
Rust	—	—	—
Smut/Myxomyces/Periconia	—	—	—
Stachybotrys	—	—	—
Torula	—	—	—
Ulocladium	—	—	—
Unidentified Spores	—	—	—
Total Spores	4	53	
Hyphal Fragments	—	—	—
Pollen	—	—	—
Debris Rating	3		
Detection Limit	13		

Remediation of Athletic Facility in Pompano Beach Florida



Enrique J. Muniz., President



Jet Pure Magnum



Commercial Air Purification Delivery System

Features

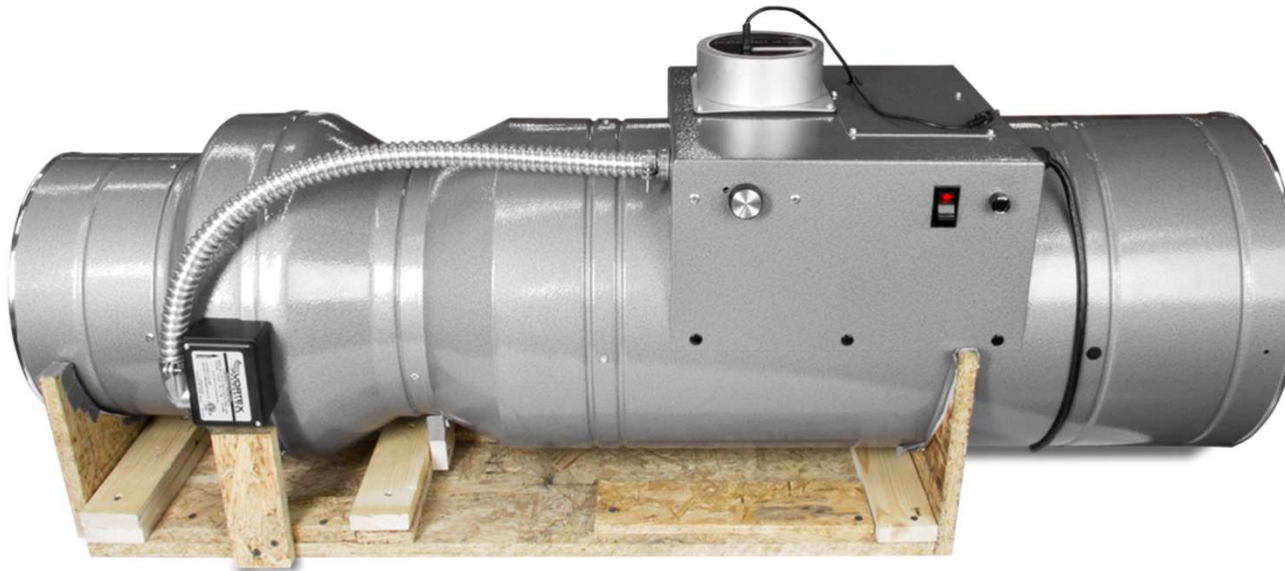
- Accommodates up to two 14" HVAC DuctPure units
- Replaceable rear filter
- Hanging cables and connectors included

Applications

- Large open spaces not served by an HVAC system
- In conjunction with an HVAC system without impacting the ducts.

Specifications

- Input: 120V / 60Hz or 220V / 50Hz
- Usage: Min 380W / 3.35A, Max 400 W / 3.55 A
- Sound: Min 70dB, Max 80dB (at 8 ft)
- Airflow: Min 850 CFM / Max 1000 CFM
- Dimensions: 21.5" H x 18" W x 53" L
- Weight: 52lbs
- Warranty: 5 Years (HVAC Probe warranty separate)



High-Output Odor / Biological Remediation Equipment

PortOzone 20g



Portable Ozone Remediation Unit

Features

- Corona Discharge Ozone Technology
- Powerful Remediation Capability
- Significantly reduces mold, bacteria, and viruses
- Reduce odors in the air & embedded in upholstery
- Compact & Lightweight for Exceptional Portability
- Rugged Stainless Steel Case for Everyday Use
- Self-Cleaning Components for Low Maintenance
- Convenient Carrying Handle
- 4 Levels of Purification
- 1-9 Hour Timer
- Remote Control
- Warranty: 1 Year Limited Warranty

Applications

Area must be unoccupied by humans or pets.

- Odors & Smoke
- Pet Stores & Kennels
- Automobiles & Boats
- Freshly Painted Rooms
- Newly Vacated Real Estate

Technologies

- Ozone Plate: 4pcs 5g Ozone Plate, 90x70mm
- Active Oxygen: 5,000 – 20,000mg/h
- Air Volume: Max 170CFM Coverage: 48,000ft²

Power

- Power Consumption: 270W
- Rated Voltage:
- Europe: AC 220-240V/50-60Hz
- USA/Japan: AC 100-120V/50/60Hz



PortOzone 7g



Portable Ozone Remediation Unit

Features

- Corona Discharge Ozone Technology
- Powerful Remediation Capability
- Significantly reduces mold, bacteria, and viruses
- Reduce odors in the air & embedded in upholstery
- Compact & Lightweight for Exceptional Portability
- Rugged Stainless Steel Case for Everyday Use
- Self-Cleaning Components for Low Maintenance
- Convenient Carrying Handle
- Timer: 10 – 120 Minutes, Hold (Continuous)
- Accessories: Spare Fuse
- Warranty: 1 Year Limited Warranty

Applications

Area must be unoccupied by humans or pets.

- Odors & Smoke
- Pet Stores & Kennels
- Automobiles & Boats
- Freshly Painted Rooms
- Newly Vacated Real Estate



Technologies

- Active Oxygen:
- Low Mode: 3,500mg/h
- High Mode: 7,000mg/h
- Coverage: 6,000ft²

Power

- AC Power Cord: 300V
- Power Consumption: 67-115W
- Input: 120V/60Hz, 2A
- Output: 2A



PortOzone 3.5g



Portable Ozone Remediation Unit

Features

- Corona Discharge Ozone Technology
- Powerful Remediation Capability
- Significantly reduces mold, bacteria, and viruses
- Reduce odors in the air & embedded in upholstery
- Compact & Lightweight for Exceptional Portability
- Rugged Stainless Steel Case for Everyday Use
- Self-Cleaning Components for Low Maintenance
- Convenient Carrying Handle
- Timer: 10 – 120 Minutes, Hold (Continuous)
- Accessories: Spare Fuse (w2A)
- Warranty: 1 Year Limited Warranty

Applications

Area must be unoccupied by humans or pets.

- Odors & Smoke
- Pet Stores & Kennels
- Automobiles & Boats
- Freshly Painted Rooms
- Newly Vacated Real Estate

Technologies

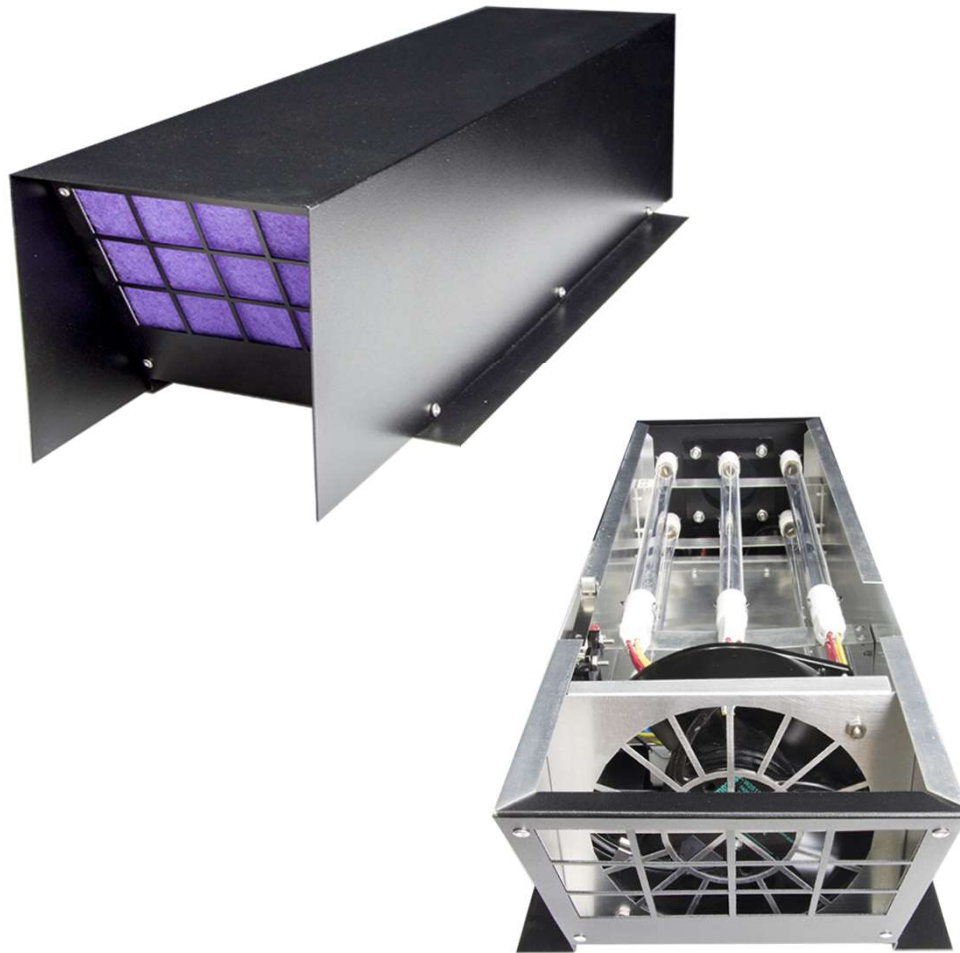
- Ozone Plate: 1 Ceramic – 90x50mm
- Active Oxygen: 3,500mg/h
- Air Volume: Max 106CFM
- Coverage: 3,000ft²

Power

- AC Power Cord: 110 – 120V Grounded
- Power Consumption: 55W
- Input: 120V/60Hz, 2A
- Output: 2A



Commercial Odor Remediation Equipment



Features

- UV Lamp Ozone Technology
- Destroys odor-causing bacteria & gases
- Contains 6 14" UV Lamps
- Scalable Ozone: Low/Med/High

Applications

- Indoor/Outdoor
- Dumpster Stations
- Lift Stations
- Exhaust Ventilation

Specifications

- Electrical:
 - Low - 112 Watts, 1.02A
 - Med - 175 Watts, 1.50A
 - High - 239 Watts, 2.02A
- Dimensions: 27.5" L x 9.5" W x 7.25" H
- Weight: 12lbs
- Accessories:
 - 10' Connector Hose
 - 2.25" Mounting Adapter
 - Replacement Unit Filter
- Performance
 - Low - 3.34 gms/hr ozone
 - Med - 6.67 gms/hr ozone
 - High - 10.0 gms/hr ozone
 - 50 CFM all settings
- Warranty: 2 Year Limited Warranty

Commercial Odor Remediation Equipment

Case Study

- Ho Chi Minh City, Vietnam
- High-Rise building with posh department store on -4 to +5 floors
- Picture taken 6 floors below ground which is directly above leaking sewage holding tank
- Sewer gas odors could be smelled all the way up to the +3 floor
- Stores like Rolex, Gucci, Louis Vuitton, Coach, Christian Dior, Mont Blanc and others
- Major Problem!
- Within 24 hours, all sewer gas smell was gone



Commercial Odor Remediation Equipment

Features

- UV Lamp Ozone Technology
- Destroys odor-causing bacteria & gases
- Contains 6 14" UV Lamps
- Weather-tight & tamper resistant

Applications

- Indoor/Outdoor
- Dumpster Stations
- Lift Stations
- Exhaust Ventilation

Specifications

- Electrical:
 - 239 Watts, 2.02A
- Dimensions:
 - 17.25"W x 4 6.5"L x 11.5"D
 - Weight: 37lbs
- Accessories:
 - 8' Connector Hose
- Performance
 - 10.0 gms/hr ozone
 - 50 CFM
- Warranty: 2 Year Limited Warranty



Portable Residential Air & Surface Purification



pureAir 3000
Not available to be sold in or shipped to California.

Whole Home Air Purifier



- Four Technologies
 - PCO
 - Dual Ionization
 - Ozone
 - Filtration
- Five Fan Speeds with Quiet Operation
- Electrostatic Washable Rear Filter
- Adjustable Purifier Control
 - Up to 3000 ft²
- Away Mode Timer (2, 4, 6, or 8 Hours)
- Full Function Remote Control
- Universal AC/DC Power Supply
- Replaceable PCO Cell & Purification Plate
- Intelligent Maintenance Reminders

Specifications

- Display: LCD
- Coverage: Up to 3000 ft²
- Dimensions: 12"x9"x12.25" (LxWxH)
- Weight: 11 lb
- Certification: UL US & Canada
- Warranty: 1 Year Limited
- Voltage: 100-240V | 50/60Hz
- Power: 38 W
- Ozone Output: 0 -360 mg/hr
- Ion Generation: >1 million/cm³
- Remote Battery: 2 AAA



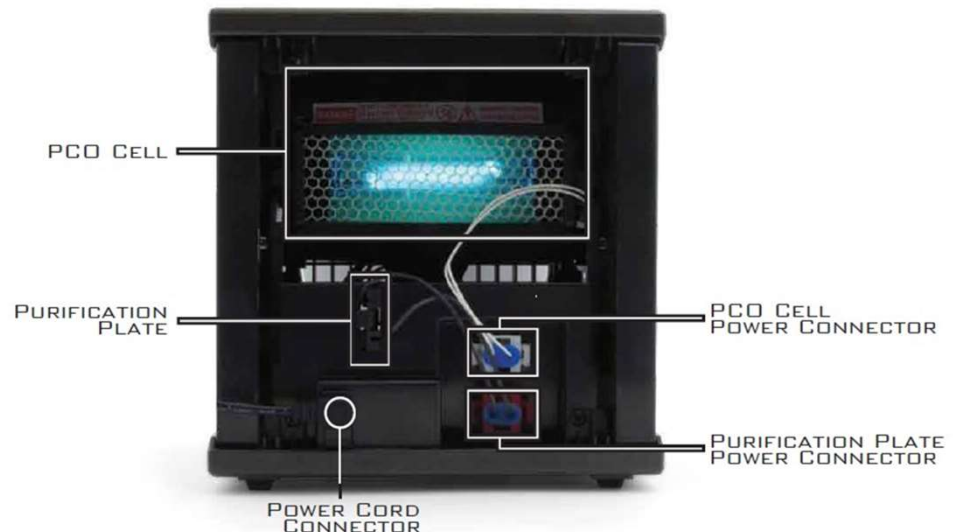
Home Air Purifier



- Four Technologies
 - PCO
 - Ionization
 - Ozone
 - Filtration
- Three Fan Speeds with Quiet Operation
- Washable Rear Filter
- Adjustable Purifier Control
 - 4 Settings
- Away Mode (Shuts Off After 2 Hours)
- Full Function Remote Control
- Low Energy Consumption
- Universal AC/DC Power Supply
- Replaceable PCO Cell & Purification Plate

Specifications

- Display: LCD
- Coverage: Up to 1500 ft²
- Dimensions: 7"x6.75"x6.5" (LxWxH)
- Weight: 3 lb
- Certification: UL US & Canada
- Warranty: 1 Year Limited
- Voltage: 100-240V | 50/60Hz
- Power: 30 W
- Ozone Output: 0-250 mg/hr
- Ion Generation: >1 million/cm³
- Remote Battery: CR2025





pureAir 500
Not available to be sold in or shipped to California.

Room Air Purifier



- Three Technologies:
 - Ionization
 - Ozone
 - Dual Filtration
 - HEPA Type
 - Carbon
- Eliminates from Air & Surfaces:
 - Odors
 - Bacteria
 - Allergens
 - Viruses
- Other harmful particulates
- Automatically Timed Bursts of Purification
- Use in Multiple Environments & Situations



pureAir 500
Not available to be sold in or shipped to California.



Specifications

- Coverage: Up to 850 ft²
- Dimensions: 6.25"x9" (DxH)
- Weight: 1.63 lb
- Certification: CE & ROHS
- Warranty: 1 Year Limited
- Voltage: 100-240V | 50/60Hz
- Transformer: 12VDC
- Power: 10 W
- Ozone Output: 200 mg/hr
- Ion Generation: >1 million/cm³





pureAir

50

Not available to be sold in or shipped to California.

Plug-in Air Purifier

- Two Technologies
 - Ozone
 - Ionization
- Ideal for Small Spaces
 - Bathroom
 - Laundry Room
 - Trash Can Area
- Sanitizes the Air
- Eliminates Odors
- Plugs Directly Into Wall Outlet
- Perfect Travel Companion
- Adjustable Purifier Control
- Low Energy Consumption





pureAir 50

Not available to be sold in or shipped to California.



Specifications

- Coverage: Up to 50 ft²
- Dimensions: 2.63"x3.63"x4.06" (LxWxH)
- Weight: 5.5 oz
- Certification: UL US & Canada
- Warranty: 90 Day Limited
- Voltage: 100-240V | 50/60Hz
- Power: 25 W
- Ozone Output: 25-50 mg/hr
- Ion Generation: >1 million/cm³

Refrigerator Purification & Sanitization

- Two Technologies
 - Ionization
 - Ozone
- Destroys Foul Fridge Odors
- Kills E-Coli, Staph, & other Bacteria
- Easy to Use; Easy to Clean
- Extends the Life of Your Food
- Neutralizes Pesticides
- Rechargeable Long-Lasting Battery





Specifications

- Effective Area of 17.7 ft.3
- Activated Oxygen Output: 3mg/h
- Warranty: 1 Year Limited Warranty
- Dimensions: 3.44" H x 2.875" W x 2.875" D
- Weight: 4.41 oz
- USB Mini Cable Included
- Power: DC 5V, Lithium Battery
- 2800mA Hours
- Battery Life: 18-24 Days



Personal Air Purifier

- Two Technologies:
 - O3 output: Less than 0.03 ppm
 - Ion Density: 50 Million Ions/cc
- Create a Personal Clean Air Zone
 - Healthcare providers
 - Teachers
 - Those at high risk
- Protects the air you breathe from:
 - Allergens
 - Volatile Organic Compounds (VOCs)
 - Smoke
 - Viruses
- Easy To Use
 - Included breakaway lanyard
- Rechargeable
 - Purification for up to 28 hours
 - 3 - 5 hours to recharge lithium battery



Specifications

Unit

- Dimensions: 2.95" H (75mm) x 1.94" W (49mm) x .67" D (17mm)
- Weight: 2.22 oz (64g)
- Accessories: Breakaway Neck Lanyard (may differ from image)
- Warranty: 1 Year Manufacturer's Warranty

Technologies

- O3 output: Less than 0.03 ppm
- Ion Density: 50 Million Ions/cc

Power

- Power Source: Rechargeable Lithium Battery
- Power Usage: 0.2 W
- Battery Life: 28 Hours Operating Time
- Charge Time: 3-5 Hours (Micro USB)





pureAir SPORT

Not available to be sold in or shipped to California.



Rechargeable Purifier

- Technology:
 - O3 output: 50 mg/h
- Eliminates Odors
- Kills contaminants
 - Viruses & Bacteria
 - Mold & Mildew
 - Volatile Organic Compounds (VOCs)
 - Allergens
 - Smoke
- Easy To Use
 - 1-4 Hour Timer
 - Continuous Use Plugged In
- Rechargeable
 - Purification for up to 5 hours
 - 5,000 mAh Lithium Ion Battery



Specifications

Unit

- Dimensions: (HWD) 6.00" x 2.125" x 2.25"
- Weight: 8 oz
- Warranty: 1 Year Manufacturer's Warr

Technology

- O3 output: 50 mg/h

Power

- Voltage: 3.7V
- Battery: 5,000 mAh Lithium Ion
- Battery Life: 5 Hours Operating Time



Vehicle Air Purifier



- One Technology
 - Bipolar Ionization
- Eliminates from Air & Surfaces:
 - Odors
 - Bacteria
 - Allergens
 - Viruses
 - Other harmful particulates
- Fits in Vehicle Cup Holder
- Variable Purification Settings
- Finish Options
 - Black Pearl
 - Champagne
 - Rubberized



Specifications

- Coverage: Any Car, Truck, Van, or SUV
- Dimensions: 2.2"x6.4"x2.8" (LxWxH)
- Weight: 9 oz
- Warranty: 1 Year
- Voltage: 12V
- Power: 2.3 W
- Ion Generation: >25,000 ions/cm³





pureWash[®]

BY  GREENTECH



A Smarter Way to Do Laundry



 Saves Money with Every Wash

 Use Little to No Detergent

 Eliminates Bacteria & Mold

 Cleans with Cold Water

 Hospital Proven Process



Quick & Easy
Self-Installation



pureHeatTM

BY  GREENTECH



pureHeat™

Product Comparison

Features	pureHeat 3-in-1	pureHeat 2-in-1	pureHeat SNUG	pureHeat WAVE	pureHeat GARAGE & PATIO
Heating Element	PTC	PTC	PTC	PTC	Carbon Fiber
Warranty	3 yrs	3 yr	1 yr	1 yr	3 yr
Power	1500 W	1500 W	1000 W	1500 W	1500 W
PCO Air-Purifier	●	●	○	○	○
Humidifier	●	○	○	○	○
Overheat Sensor	●	●	●	○	●
Tip-Over Sensor	●	●	○	○	●
Timer Function	●	●	●	●	●
Remote Control	●	●	○	●	●
IP34 Approved (outdoor use)	○	○	○	○	●





pureFlow

BY  GREENTECH

Features



11 Height Settings



Horizontal Oscillation



Vertical Oscillation



Dual Blade Technology



12 Fan Speeds



12 Hour Shut-Off Timer



Remote Control



 **Dramatic Circulation**

 **Remarkably Quiet**

 **Easy to Clean**



pureFlow™

QT7 - Bladeless Quiet Turbo Fan

Features



90° Oscillation



90° Adjustable Tilt



12 Fan Speeds



LED Control Display



9 Hour Shut-Off Timer



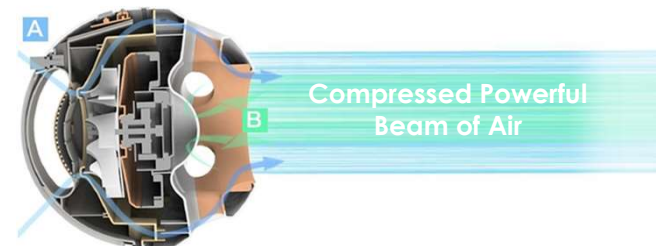
Remote Control



Encased Turbo Propulsion



Air Compression Dome



Safety-First Design



Whisper Quiet



Energy Efficient



Powerful Airflow

Thank You

from the Tennessee GreenTech Team

