



AIR FOR LIFE®
TOMORROW'S TECHNOLOGY TODAY



NASA
**DEVELOPED
TECHNOLOGY**



AIR FOR LIFE®
TOMORROW'S TECHNOLOGY TODAY

BORN IN THE USA





Dr. Nabarun Ghosh
Professor of Biology
West Texas A&M University



Dr. Jeff Bennert
Ph.D. C.T.N.



Department of Life, Earth and Environmental Sciences
Ag. Natural Science Building
West Texas A&M University Canyon Texas 79015

Tomorrow's Technology Today

Man has been exposed to micro-organisms and suffered from infectious disease since human life on earth began.

In today's scientific age we continue to search to find a way to eradicate all diseases and to preserve our perishables from harmful VOC's

In our modern world we spend over 85% of our time indoors. This ideal man made environment is adapted for our comfort but at the same time provides the optimum environment for harmful organisms to thrive and threaten our health. We also travel great distances in a matter of hours in cramped and crowded conditions allowing life threatening viruses to spread quickly turning local infections into pandemics.

The perishables that we buy in our supermarkets are also increasingly vulnerable to Ethylene gas.

Professor N Ghosh Ph.D

Head of Research AFL Foundation

Ethylene both ripens and also prematurely destroys flowers, fruit and vegetables thereby reducing shelf life significantly. Global economic figures show that up to 30% of perishables harvested go to waste. The math is simple. Less shrinkage equals more profit.

Our scientists at **AFL** have enhanced the original **NASA** Ethylene scrub technology to create **AFL**'s evolutionary ground breaking air purification system. **AFL** changes indoor air quality making our lives safer and more comfortable, whilst ensuring that your perishables stay fresh and last longer.

AFL's advanced technology helps prevent both the spread of infectious disease and reduces economic shrinkage bringing to the world Tomorrow's Technology Today.

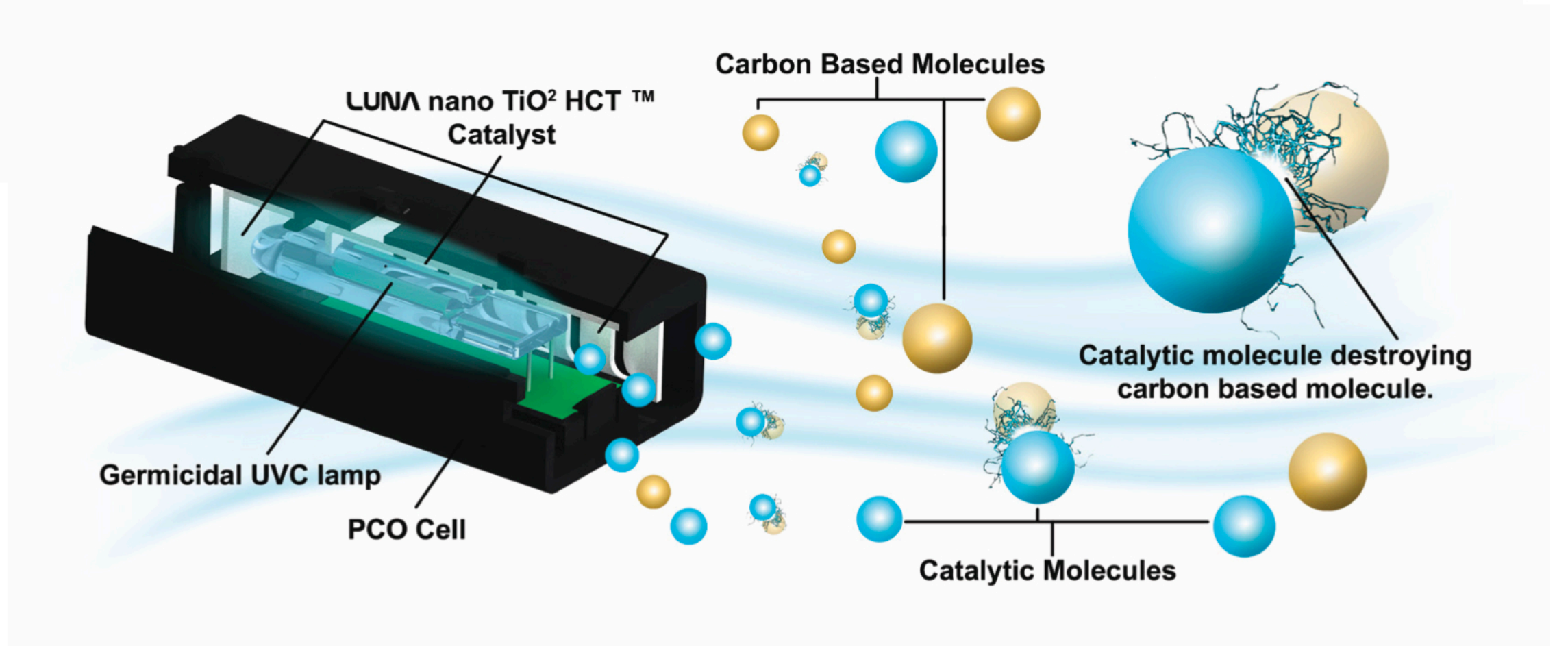
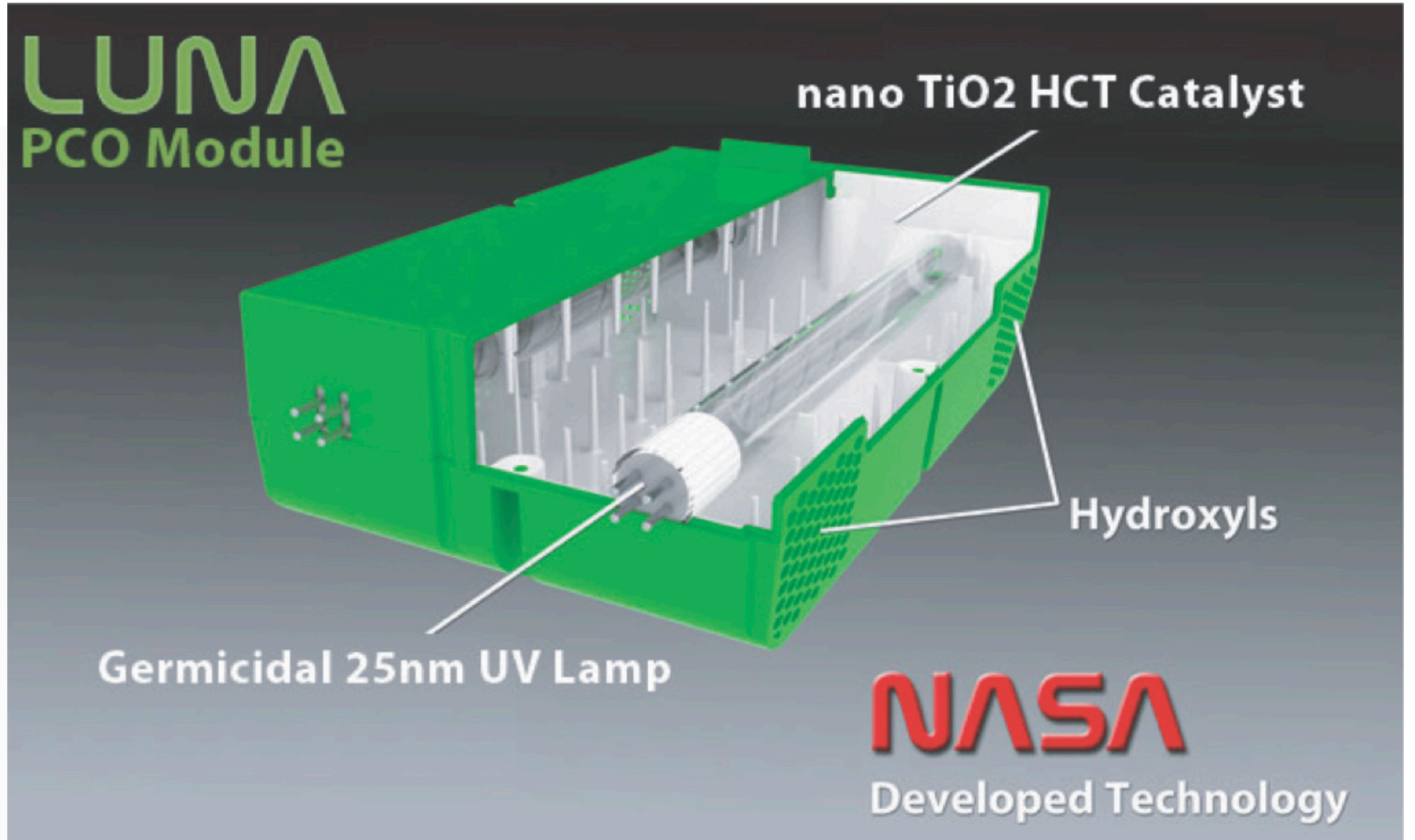
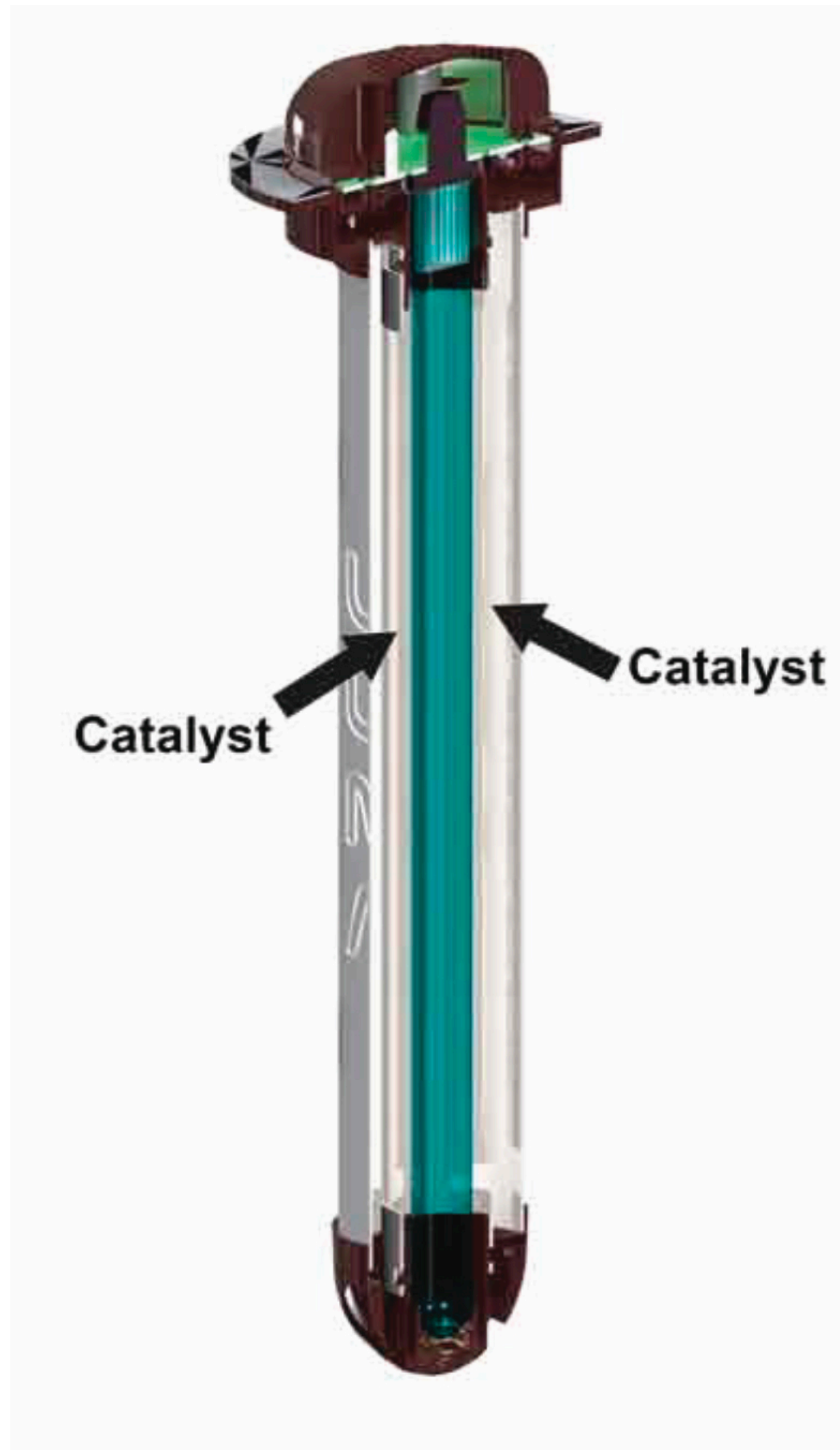
Dr.Jeff Bennert Ph.D

Head of Development AFL Foundation

IMPORTANT:

AFL is scientifically proven to help eliminate up to 99.997% of bacteria, viruses, volatile organic compounds, odors and airborne allergens including dust & mold spores.

AFL cannot guarantee protection against infection and effects may vary depending upon conditions and use of the product.



AIR FOR LIFE®
TOMORROW'S TECHNOLOGY TODAY



Welcome to the world of **AFL**

AFL technology began in space with **NASA**.

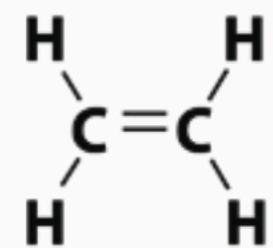
In 1994, **NASA** began planning for deep space exploration including proposed missions to Mars. This is under the “Constellation” Mission program due to commence 2013. Such exploration requires sustaining life in space for months and years at a time.

But NASA had a problem...

Before preparing for such deep space exploration, **NASA** had to find an answer to ethylene gas destroying plants and vegetables in space.

“The scientists at **NASA** developed a new green technology called Photocatalysis or Photocatalytic Oxidation (PCO) to remove ethylene gas build up.”

Ethylene gas is the natural occurring hormone released by plants and vegetables. On earth it is naturally dispersed into the atmosphere, but in a sealed spacecraft ethylene build up becomes toxic. This will kill those very same plants and vegetables if not removed.



Ethylene



But there was a solution...

NASA developed PCO technology works by breaking down the ethylene gas into harmless Carbon Dioxide (CO₂) and Water (H₂O) by exposure to Ultra Violet (UV) light in the presence of a Titanium Dioxide (TiO₂) catalyst.

Further tests by **NASA** revealed that PCO technology did not only eliminate ethylene gas build up but also destroyed other organic matter in the air such as:

Bad Odors Volatile Organic Compounds (VOC's)
Mold Fungi Bacteria Viruses

Following extensive research and development by the **AFL** Foundation in conjunction with West Texas A&M University, Prof. Nabarun Ghosh and his team of scientists have further enhanced the **NASA** developed PCO technology by creating:

AFL Advanced Hydrated Photocatalytic Oxidation (AHPCO)

AFL nano technology 5 metal catalyst

AFL Bi-Polar Ionization Technology

By combining these unique technologies into one ultimate machine, **AFL** is more than just an air purifier, it is an air sanitizer with the ability to clean surfaces.

SUPERIOR

1222



LIFE

FOR

AIR



AFL Advanced Hydrated Photocatalytic Oxidation (AHPCO™) and AFL nano Nickel HCT™ catalyst

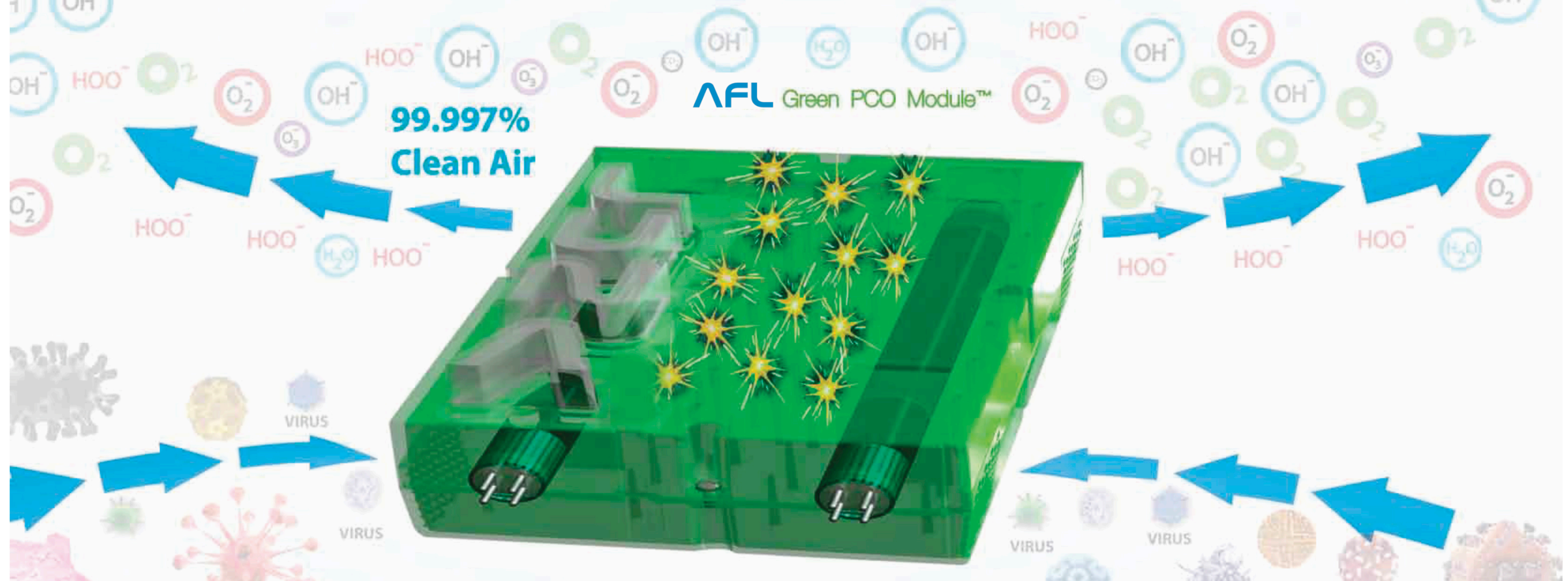
Prof. Nabarun Ghosh and his team of scientists under the AFL Foundation have further improved the original NASA Developed PCO Technology. They have created a new form of PCO called Advanced Hydrated Photo Catalytic Oxidation (AHPCO™). AHPCO™ involves the use of a special hydrating gel with a special five metal nano Nickel HCT™ catalyst. The AFL nano Nickel HCT™ catalyst is scientifically engineered to be more reactive than Titanium Dioxide (TiO₂) alone and is by far superior to any PCO catalyst currently on the market.

The AFL Nano Nickel HCT™ Catalyst contains a special blend of five metals:

Silver Nickel Rhodium Copper Titanium

Using these catalyst metals in nano form increases the total surface area and therefore the kinetic rate of reaction. This ensures complete oxidation and breakdown of impurities in the air you breathe. Competitors are using cheap TiO₂ alone with no hydrating agents and other less effective catalyst coatings.

“AFL is setting the trend for the next generation of air purifiers through it's innovative technology.”



The **AFL** Green PCO Module™ is coated inside with the **AFL** nano Nickel HCT™ catalyst and contains two high quality long lasting **AFL** germicidal UV bulbs. Here, **AFL** AHPCO™ takes place where photons of ultraviolet (UV) light react with the **AFL** nano Nickel HCT™ catalyst.

This ultimately leads to the formation and release of negative ions (redundant oxidizers) inside the **AFL** Green PCO module including:

Super oxide ions Hydroxyl ions

Hydro peroxide ions Ozonide ions

These negative ions chemically react with impurities in the air pulled through the machine and destroy them on a molecular level.

This powerful **NASA** developed technology also creates an abundance of negative ions that are expelled into the air emitted by the machine. These friendly negative ions flood the room, collide and react with pathogens and allergens in the air, on surfaces and on objects, instantly eliminating and demobilizing them.

AFL has been created by scientists and is tested and approved by leading universities and government bodies.”

An example of this would be a dust particle or animal dander from which all organic matter present would be oxidized by the negative ions and the remaining matter would fall to the floor to be swept up later.

This also means **AFL** is not dependent on the air in a room to travel through the machine in order for it to be cleaned. Unlike other machines **AFL** has the ability to **steralize surfaces** such as countertops and tables as well.

Bi-Polar Ionization Technology

AFL MPT™ is the latest technology developed by the Research and Development Team of the **AFL** Foundation. It is incorporated into the machines by two strong magnets which polarize the air expelled from the machine. This helps to remove ferrous metals from the air and reduces static charge in a room which attracts dust.

Currently the market is flooded with underperforming machines. In fact, machines using lesser quality products may cause more harm than good. When PCO does not perform properly, incomplete decomposition of Volatile Organic Compounds in the air, leads to the production of toxins such as: formaldehyde, acetaldehyde, formic acid and acetic acid. Formaldehyde is classified human carcinogen.



**NEXT GENERATION
TECHNOLOGY**

PROTECTS LIVES

**ROOM FOR
IMPROVEMENT**

**BETTER TESTS
BETTER RESULTS**

Installing **AFL** is good practice.

AFL can be installed in virtually every other sector of the healthcare industry.

General Practice Surgeries Dental Surgeries Veterinary Surgeries
Laboratories Opticians Nursing Homes

As **AFL** emits friendly negative ions, this means that not only the air but objects and surfaces in the room are sterilized. This is particularly useful in dental surgeries and operating theatres. **AFL** can sterilize surgical tools and equipment as well as combating the spread of infection from one patient to the next, whether in waiting areas or consultation rooms.

Bacteria (including MRSA) Viruses (including H1N1 “Swine Flu”) Mold Fungi Allergens
Volatile Organic Compounds (VOC’s) Bad odors

AFL $\Rightarrow$ more sterile test conditions $\Rightarrow$ better results $\Rightarrow$ improved research

“Creating a better and safer tomorrow”

G.P. SURGERIES



DENTAL SURGERIES



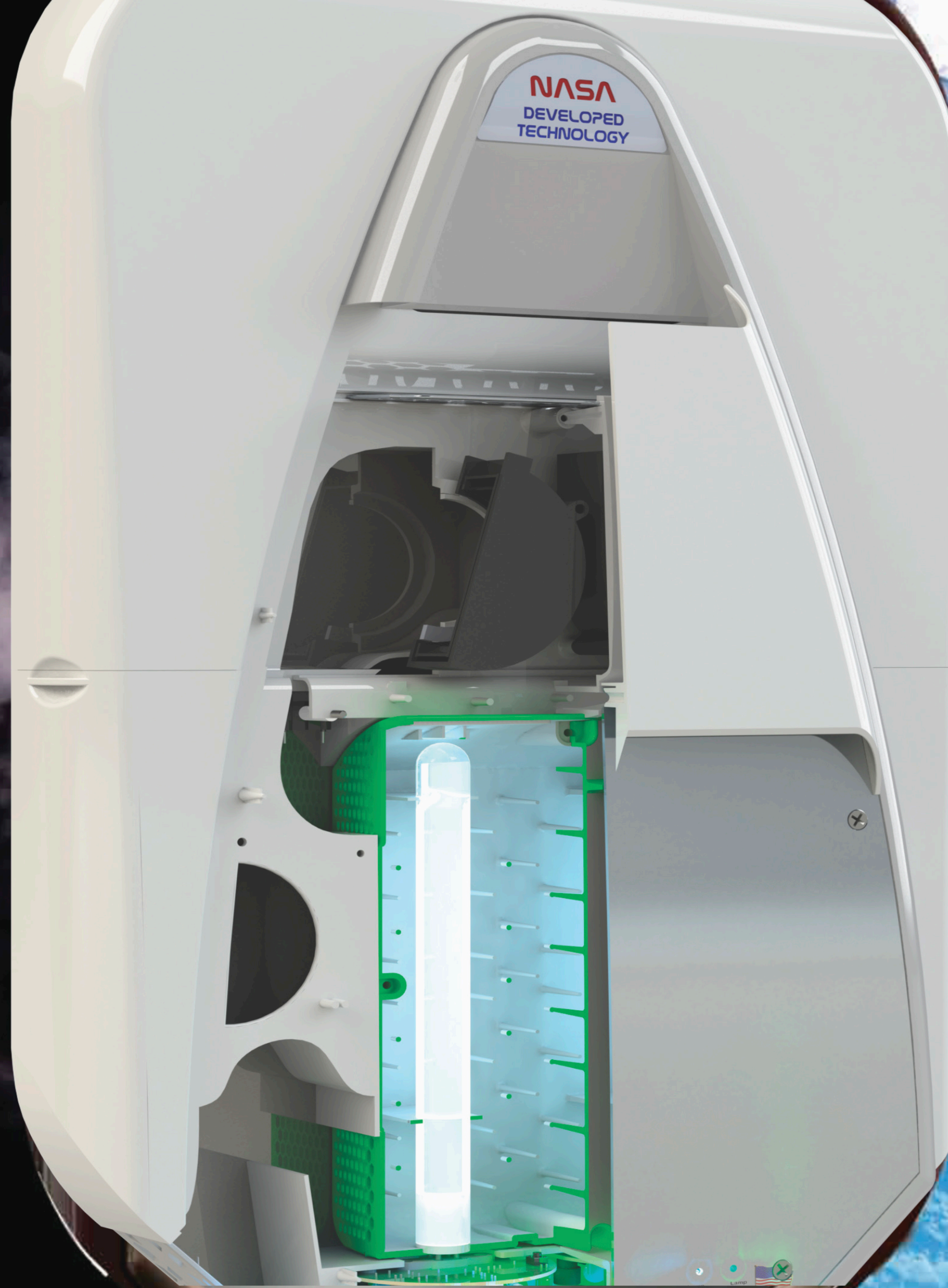
NURSING HOMES



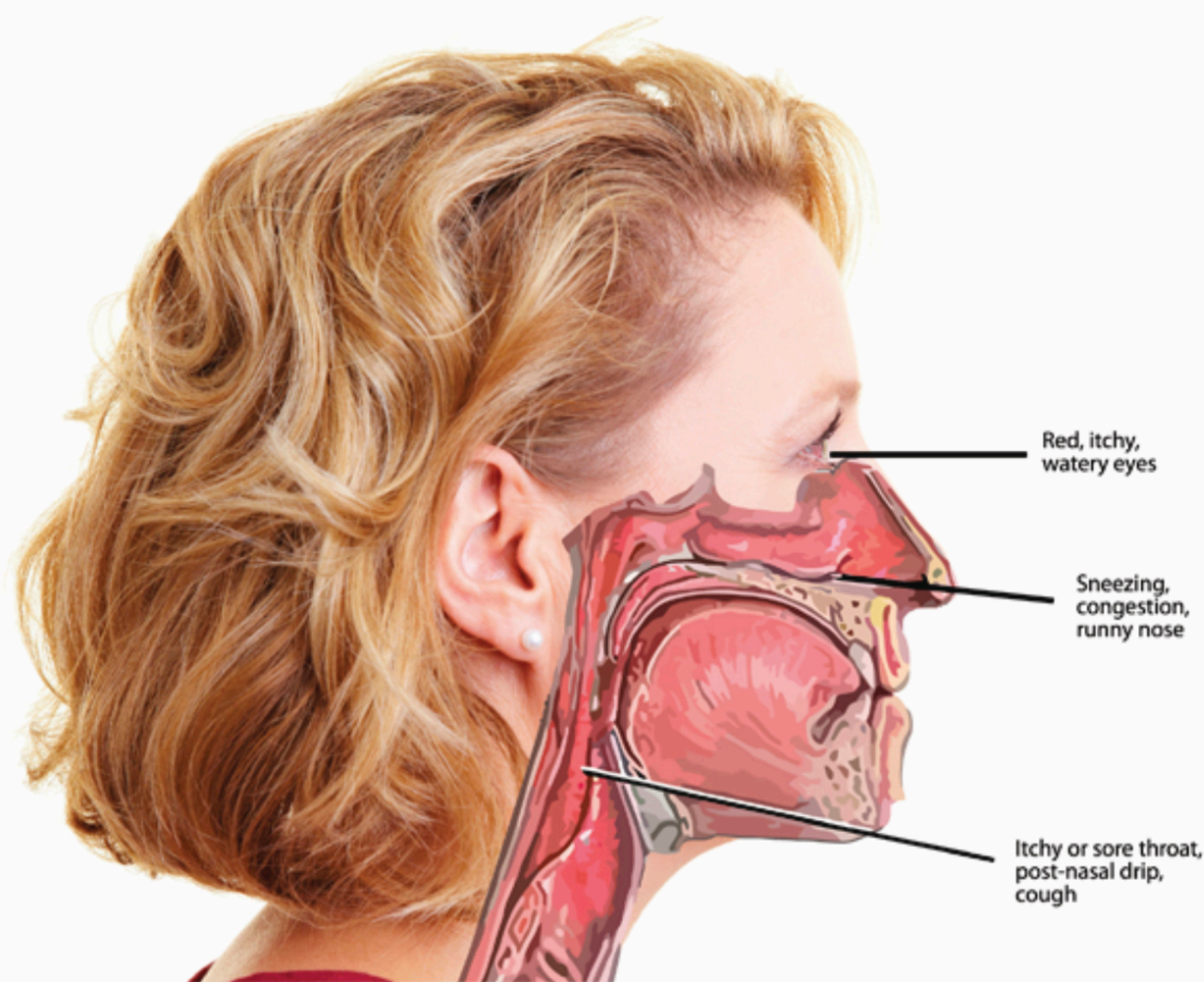
VETERINARY SURGERIES



SENSITIVE ?



**PROBLEM
SOLVED**



Install **AFL** so you can breath easy
and stay healthy.

Allergens such as dust, pollen and animal dander are airborne particles. Allergic symptoms arise in areas in contact with the air, such as the eyes, the nose and the lungs.

Installing **AFL** destroys allergens and can reduce the symptoms of allergies including:

Allergic rhinitis Allergic sinusitis Allergic conjunctivitis
Sneezing Coughing Wheezing Shortness of breath

“Asthma affects a total of 300 million worldwide.”

Asthma attacks and the use of medicines can be reduced by installing **AFL** . **AFL** destroys asthma causing allergens including household dust mites and their droppings, mold and fungi spores.



AAAI
AMERICAN ACADEMY OF ALLERGY
ASTHMA & IMMUNOLOGY
www.aaaai.org

Prof. Nabarun Ghosh, Head of Research of the **AFL** Foundation, is an active member of the American Academy of Allergy, Asthma and Immunology.

CLEANER AIR



HIGHER GRADES

One cough... The whole school catches a cold.

Children do not have fully developed immune systems.
This means they are more susceptible to contracting
infection.

Installing **AFL** in schools keeps your children safer
while they are away from home.

Meningitis Measles Mumps Rubella Whooping Cough
Polio Tuberculosis Influenza Rhinovirus

KINDERGARTENS



ELEMENTARY SCHOOLS



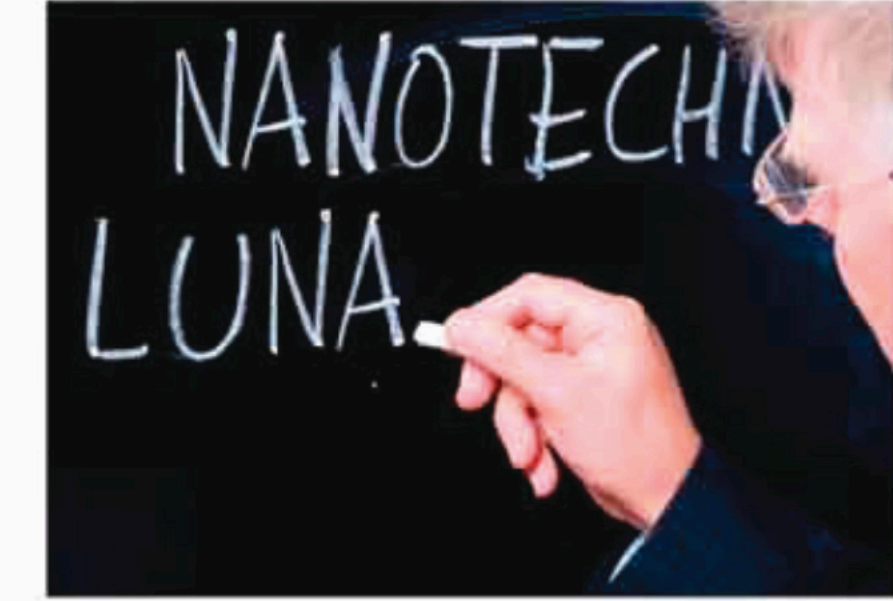
NURSERIES



COLLEGES & UNIVERSITIES



POST GRADUATES



HIGH SCHOOLS

“56% of our energy comes from the air we breathe.”

Research from West Texas A&M University has shown
that breathing pure air reduces fatigue and increases
concentration and energy levels.

AFL is essential in ensuring your children breathe
clean and pure air while their young minds grow and
develop.

Implement **AFL** as a part of your child's syllabus today.

THE WORLDS TALLEST

TO THE
SMALLEST



One sick employee can cost
a business millions.

All it takes is one sick employee to take a disease to work with
them and expose their sickness to your workforce.

“Sick building syndrome”

Installing **LUNA** in a working environment helps control
the spread of infection, improves concentration levels
and reduces fatigue of your employees.

So what are you waiting for?

“Smart companies install **LUNA**”

If you suspect the air in your work environment is affecting
your health, you're probably right. Install **LUNA** today.

Protect your investment.
Keep your home healthy.

AFL NASA developed PCO technology works day and night to
eliminate the mold and fungi that destroy your home. **LUNA** also
destroys dust which mites thrive on and multiply by the millions
inside your home. Chemicals released from carpeting, paints and
adhesives in your home are also hazardous to your health.

Install **LUNA** in your home today and reap the benefits of 99.97%
clean air.

“Breathing air free from impurities helps you sleep better.”

Trust in **LUNA** to destroy the allergens and harmful organisms in
your home so you can get a good night sleep.

H
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HOMES



CONDOMINIUMS



OFFICES



QUALITY



**WHY
COMPROMISE ?**

Reduce waste and Increase profits

When shopping in supermarkets you expect the best quality so why settle for less? The sad fact is that often by the time food reaches your home it has lost it's freshness.

"Installing **AFL** in supermarkets and flower shops increases the life of fresh produce for up to 25 days."

Fruits Vegetables Flowers Fish Meat

AFL eliminates the molds and gases that spoil your perishables. This increases their shelf life and means less wastage, more goods and more profit.

Born Green for a Greener Tomorrow

BAKERIES



MEAT COUNTERS



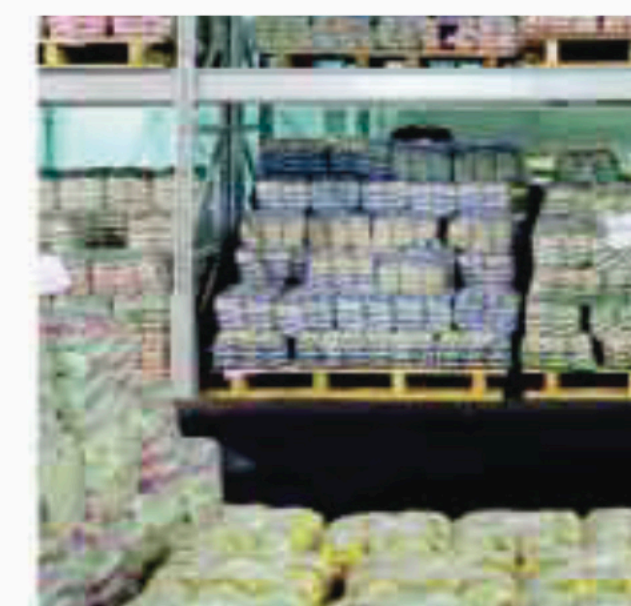
GREEN HOUSES



FLOWER SHOPS



STORAGE FACILITIES



**FULLY
PROTECTED**



ARE YOU SURE ?

A storage solution you can depend on.

When your food is being processed and packaged, a sterile environment is essential. In storage and during transportation mold, fungi and ethylene builds up and begins to destroy your fresh produce.

This can cause up to **30% shrinkage of produce** even before it reaches the supermarket. Installing **AFL** throughout the distribution chain protects your food from the moment it leaves the farm.

BEVERAGE BOTTLING PLANTS



WINERIES



DISTRIBUTION DEPOTS



SHIPPING PERISHABLES



HIGH STAKES
IN THE AIR

EVERY BREATH
COUNTS



Get rid of unwanted guests.

With a high turnover of clientele from different parts of the world, people in hotels carry and spread disease to other guests and hotel employees. Even after a guest has checked out, bacteria viruses and bad odors remain behind in the air and on surfaces in the room, ready to infect the next guest. Which could be you.

Your food and drink are also exposed to harmful organisms in the air and on surfaces when enjoying a drink at a bar or eating a meal at a restaurant.

HOTEL ROOMS



SPAS



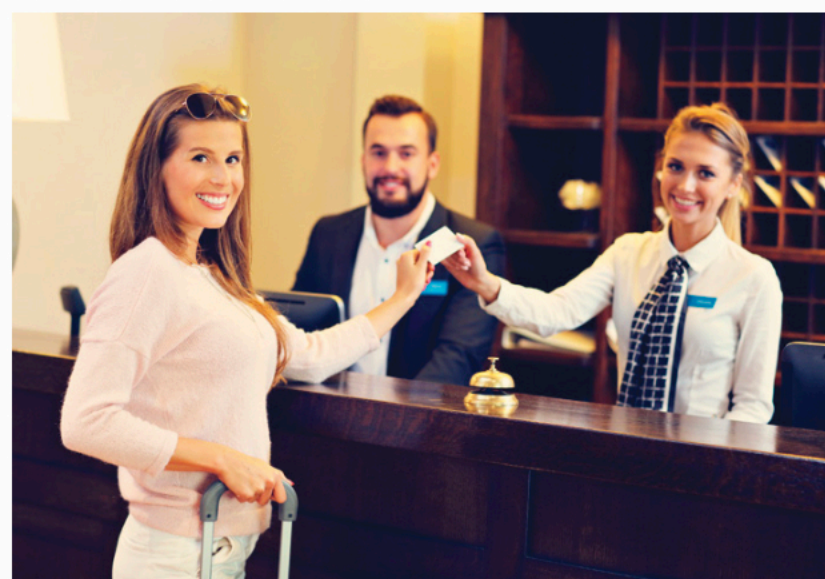
CORPORATE KITCHENS



RESTAURANTS



HOTEL LOBBIES



BARS



“Installing **AFL** creates safer hotel rooms and facilities.”

Chose **AFL** to enhance your hotel's reputation and rise above the rest.

AFL helps you feel at home away from home.

IT DON'T MATTER



BLACK OR WHITE

High indoor air quality is the key.

However you chose to spend your free time, it is guaranteed you will be exposed to bacteria and viruses in the air and on surfaces from the people around you.

“People spend an average of 85-90% of their time indoors.”

Never before has so much time been spent indoors.

Installing **AFL** in public places provides the high indoor air quality which is vital for health.

“Harmful organisms do not discriminate who they infect.”

Install **AFL** to stay safe in public places.

Libraries

Cinemas

Gymnasiums

Shopping malls

Arcades

Theatres

Indoor arenas

Works while you play so you can make the most of your precious free time. **AFL**

GYMNASIUMS



NIGHT CLUBS



CINEMAS & THEATRES



INDOOR ARENAS



LAST CALL



FOR ALL VIRUSES AIR BOUND

So you think it's safe to travel.
Think again.

People travel in cramped and crowded conditions for hours at a time and with people from different parts of the world. Often they can be carrying disease and infecting others without displaying any symptoms. It only takes one person to bring the disease onboard and infect you.

“Modern transport has enabled man to travel to different countries in the space of a few hours”

Unfortunately, this also allows harmful organisms to travel in record time all over the world. This is how infection spreads rapidly on a global scale such as the 2009 H1N1 “Swine Flu” pandemic.

Installing **AFL** in busy places of travel protects you and your loved ones wherever the destination.

INSIDE METRO STATIONS



INSIDE METRO CARRIAGES



TAXIS



TRAINS



DUTY FREE AREAS



YACHTS

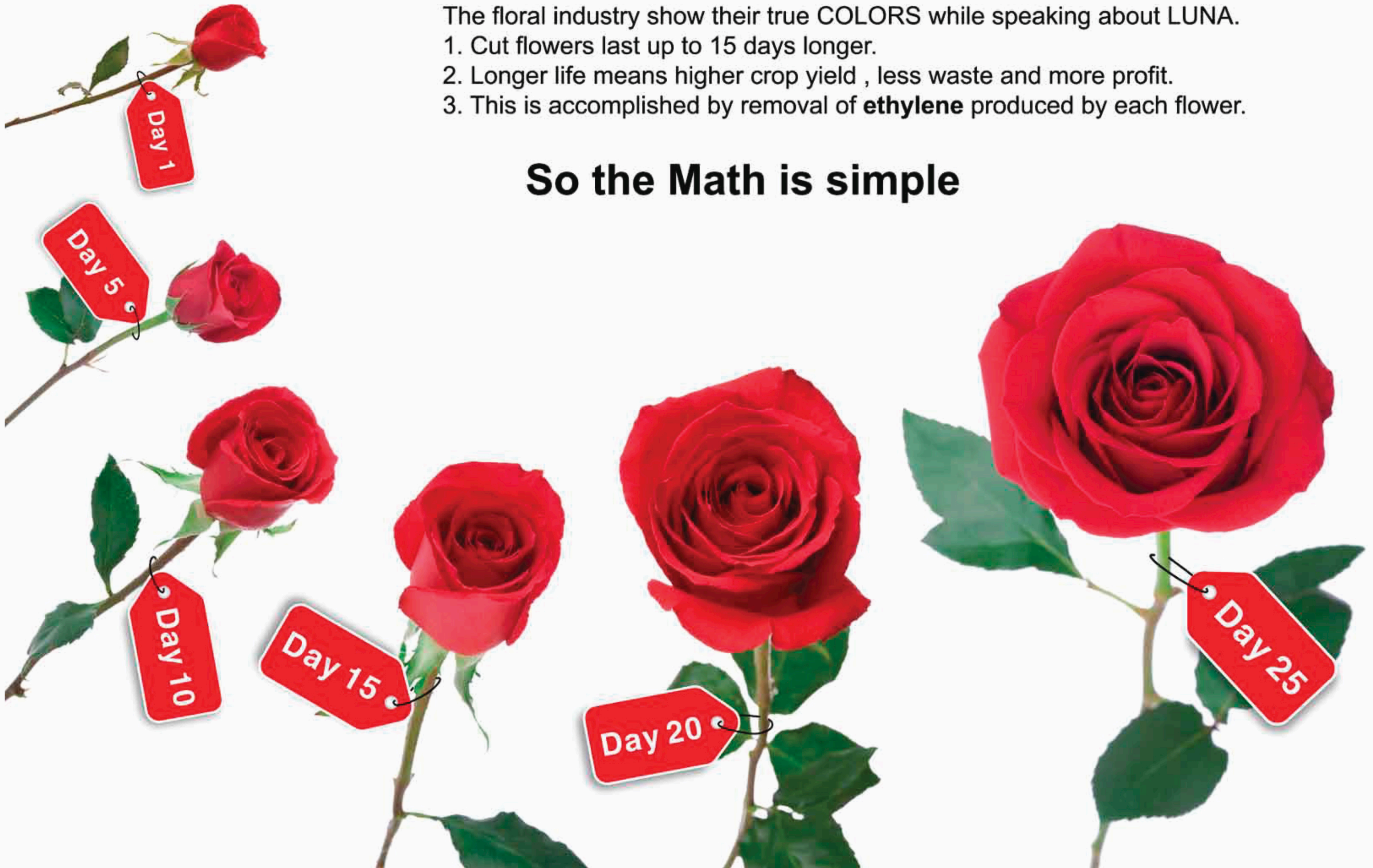


BREAKING NEWS

The floral industry show their true COLORS while speaking about LUNA.

1. Cut flowers last up to 15 days longer.
2. Longer life means higher crop yield , less waste and more profit.
3. This is accomplished by removal of **ethylene** produced by each flower.

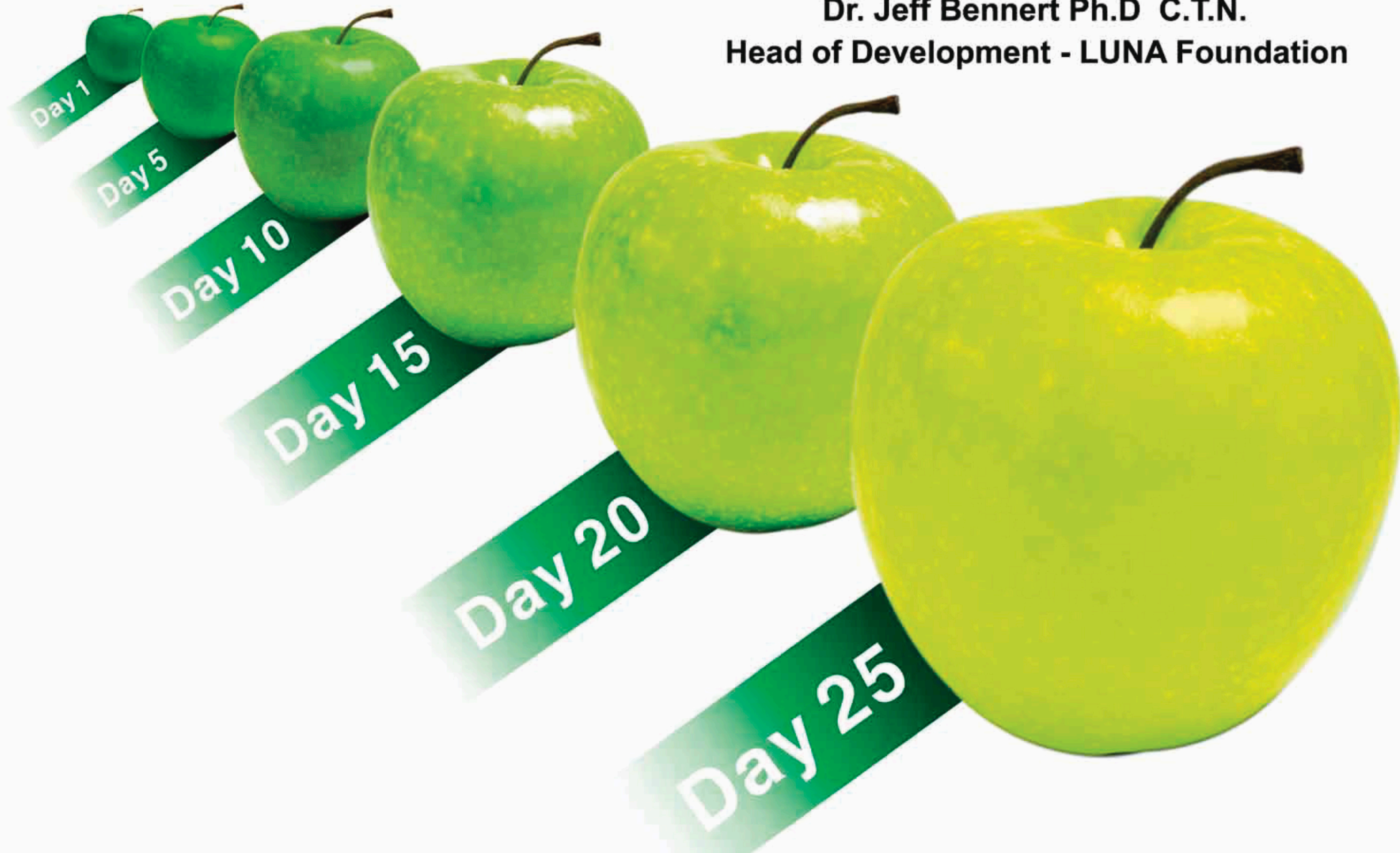
So the Math is simple



SAVE YOUR FRUITS WITH LUNA

"It is a well-known fact that **mold** spreads and **ethylene** builds up in every **produce storage facility**.
AFL ELIMINATES **mold** and **ethylene** hence your valuable assets stay fresh and last longer.
This maintains your **quality** and **customer satisfaction** which means **less shrink** and **more profit**."

Dr. Jeff Bennert Ph.D C.T.N.
Head of Development - LUNA Foundation





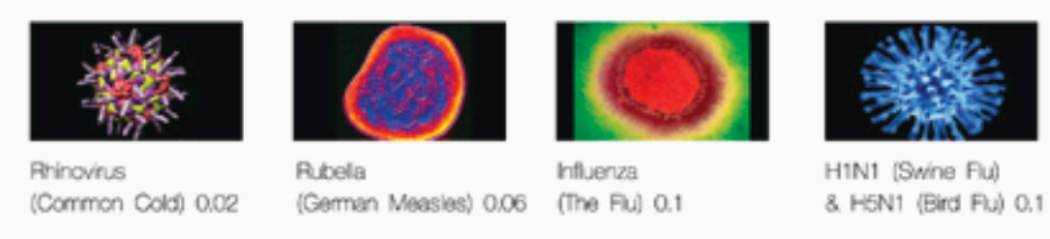
AFL VS. HEPA FILTER
 How do HEPA Filters compare with
NASA developed **AFL** technology?

Scientific Claims of **AFL** AHPCO™ 5 Metal Nano Technology

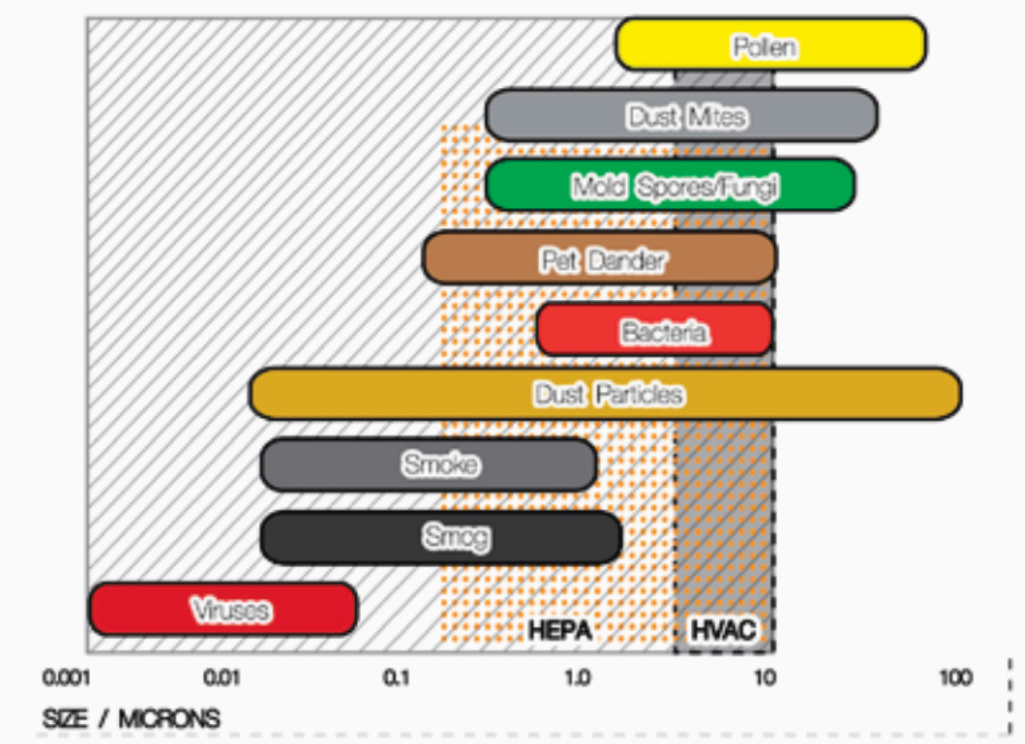
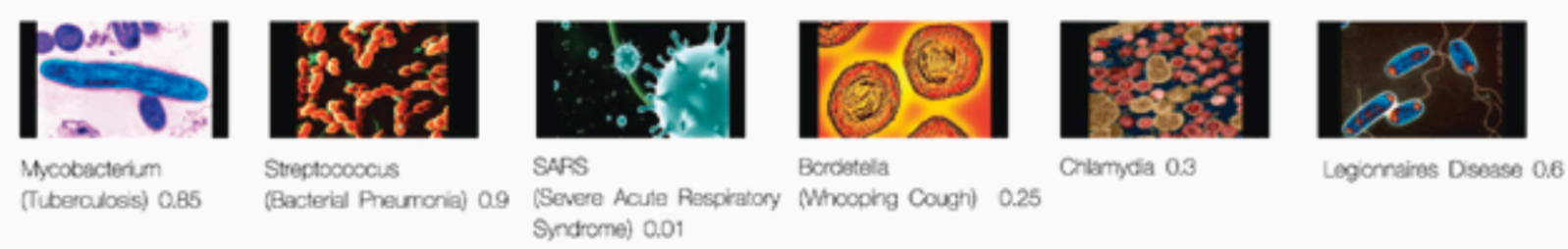
1. Green Technology – No harmful ozone.
2. US Patented technology.
3. Registered CE Class 1 Medical Device
4. No Filters (No harmful viruses or bacteria stored).
5. No Maintenance (cost effective and non time consuming).
6. Kills and eliminates 99.97% of micro-organisms and VOC'S in the air and helps destroy surface based bacteria.

99% of all particles that we breathe into our lungs are under 1 micron. Most HEPA Filters can only filter particles in the air up to 0.3 micron.

Viral Infections:



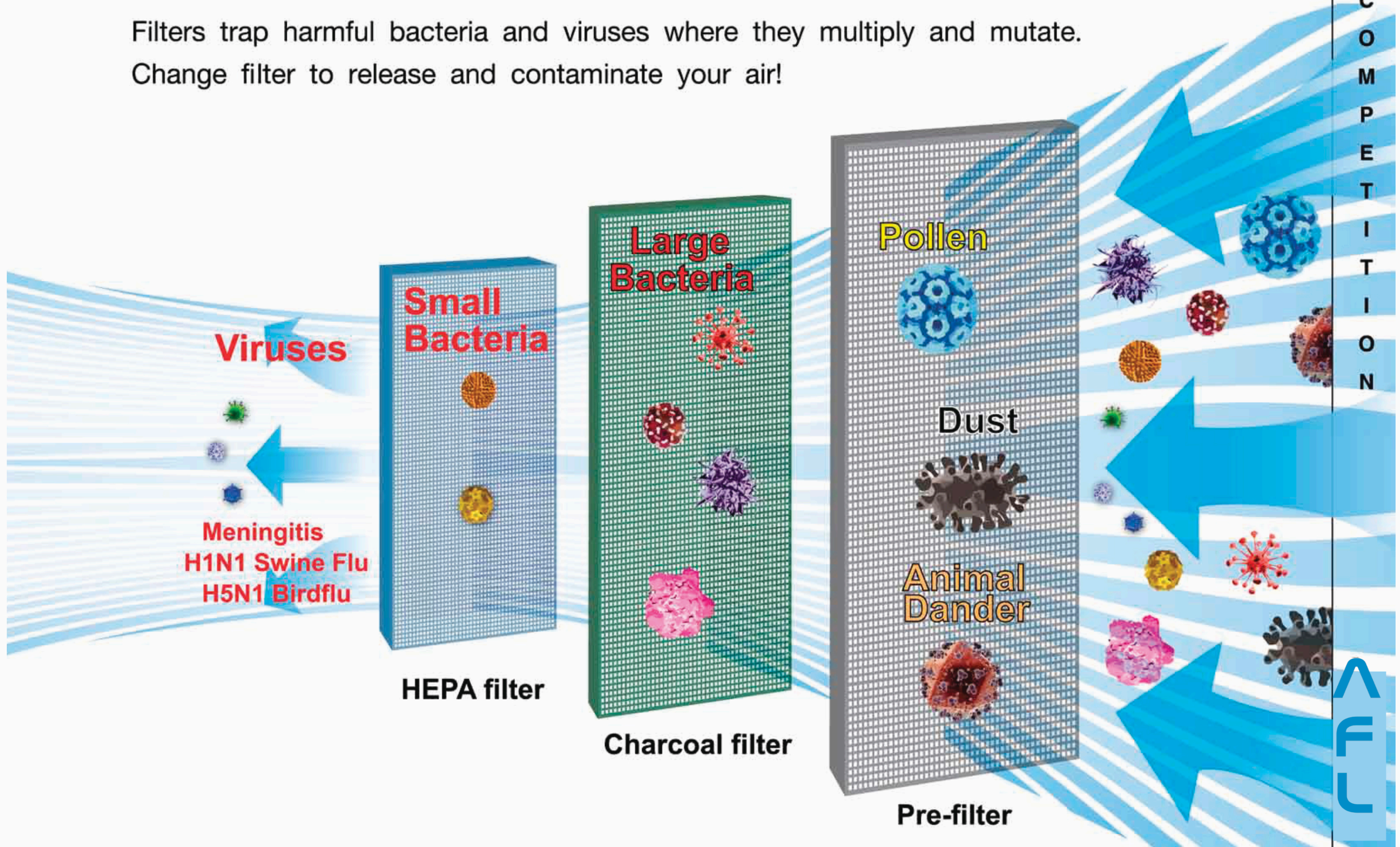
Bacterial Infections:



By contrast **AFL** begins its real work at 0.1 Micron and will go down to 0.001 Microns eliminating or destroying up to 99.997% of all harmful viruses, contaminants, VOC's, bacteria and fungi as follows:
 Airborne Pathogens & Bacteria Levels and What they Mean to **AFL**

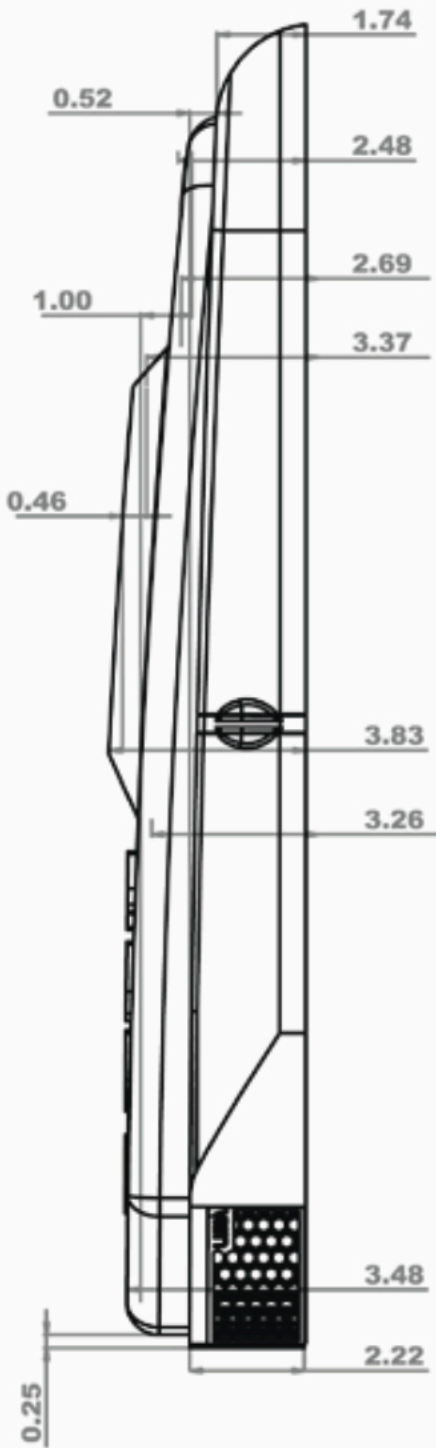
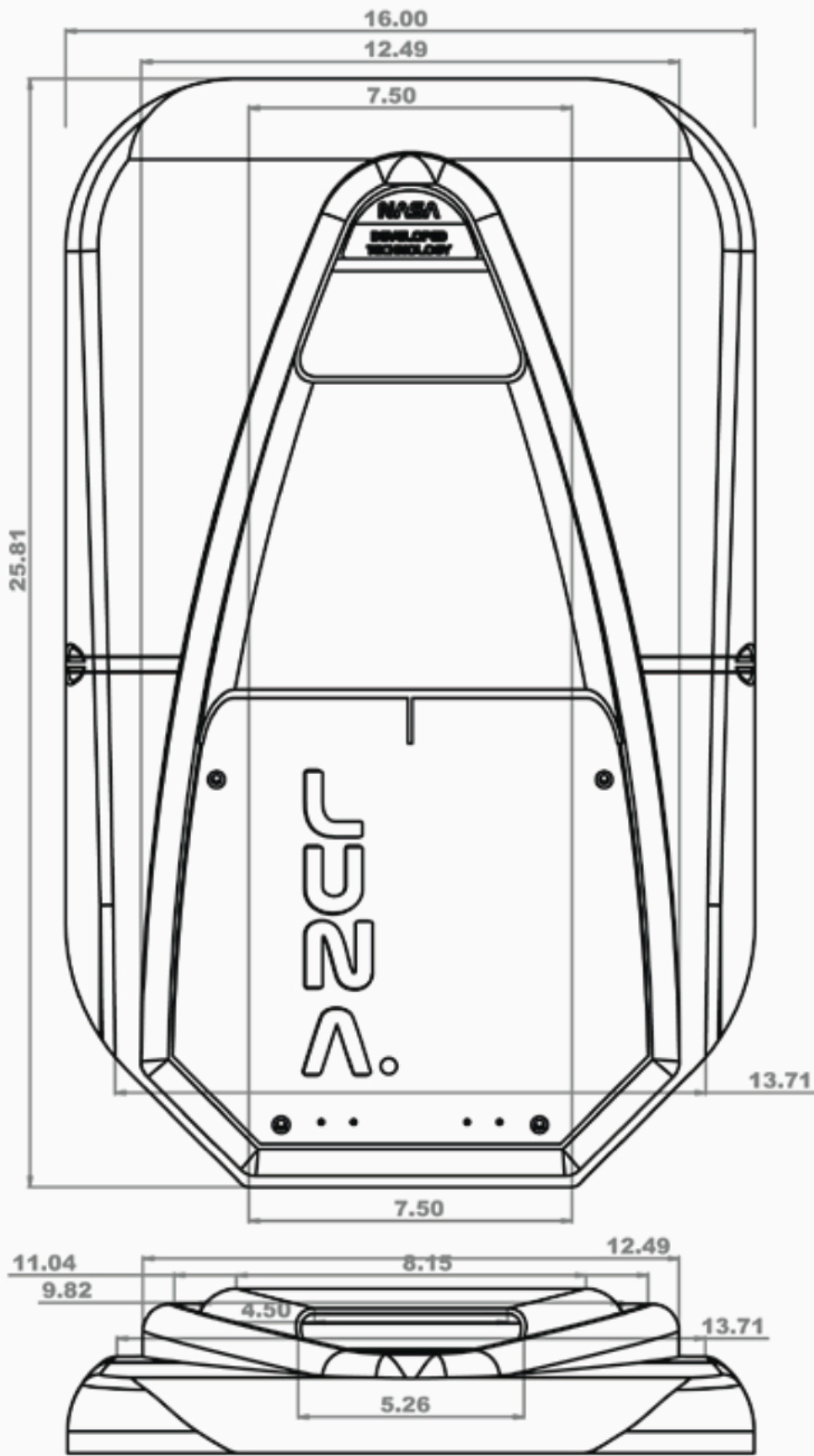
WARNING !!!

Filters trap harmful bacteria and viruses where they multiply and mutate.
Change filter to release and contaminate your air!



Model : LUNA LNT-2

WALL MOUNT



Electrical Specifications

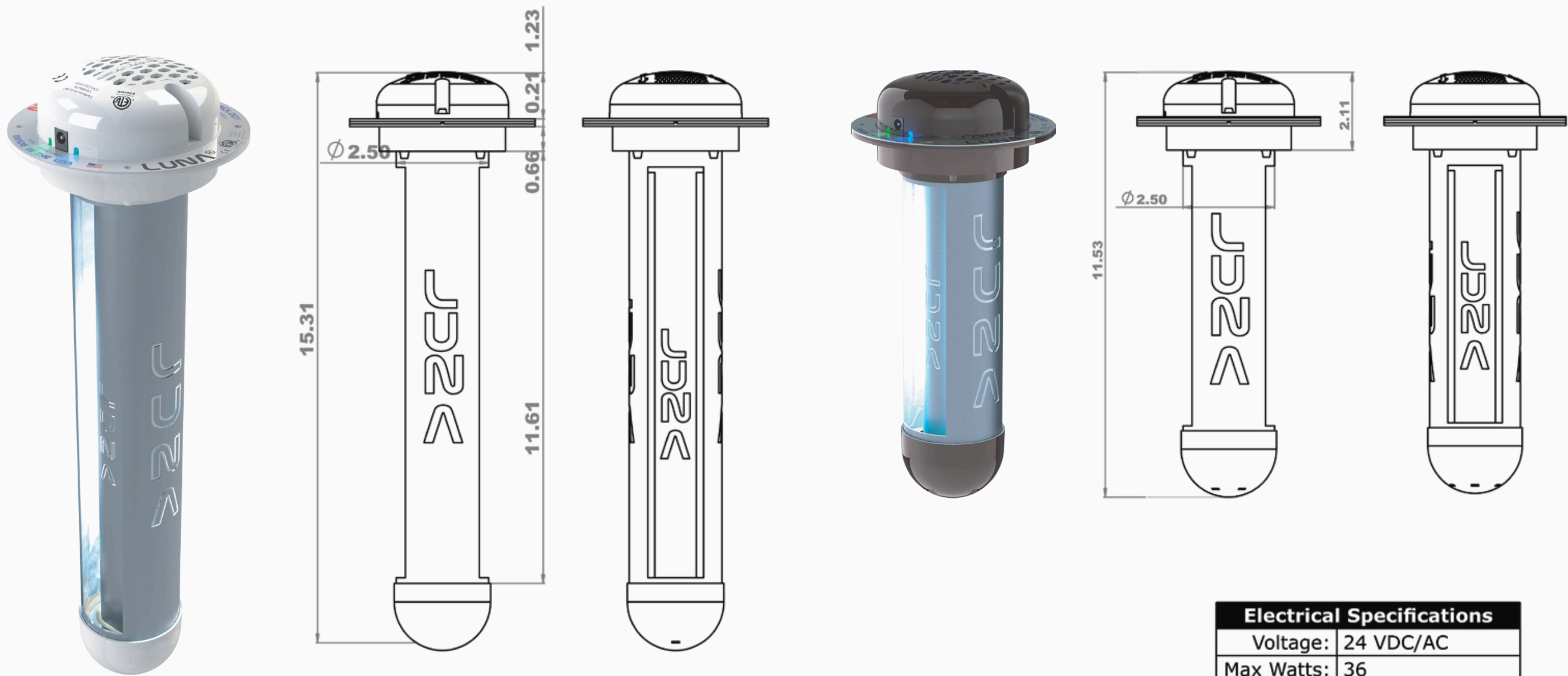
Voltage:	24 VDC
Max Watts:	33

Mechanical Specifications

Material:	PC and Aluminum/SS	Weight:	14 lbs
		Shipping Weight:	16 lbs

Electrical Component Specifications

Power Supply:	Countertop with mounting holes 24VDC @ 2A output 100 - 240VAC input CE listed 33 Watt Single Output	Ballast:	2 - 24VDC Ballasts lamp fault indicator lamp replace indicator
Fan:	2 - 24VDC Blowers 3.839" x 3.624" x 1.28"	PCO Cell:	Dual9 LNPCO Cell



Electrical Specifications	
Voltage:	24 VDC/AC
Max Watts:	36

Mechanical Specifications			
Material:	PC, Fiber Reinforced and Aluminum/SS	Weight:	3 lbs
		Shipping Weight:	7 lbs dimmensional

Electrical Component Specifications			
Power Supply:	Countertop with mounting holes 24VDC @ 1.5A output 100 - 240VAC input CE listed 36 Watt Single Output	Ballast:	24VDC Ballasts lamp fault indicator lamp replace indicator
PCO Cell:	9inch/14inch LNINDPCO Cell		

* All dimentions in inches

Model : LNT/MP 175

ΛFL Mini portable Sanifier



Electrical Specifications	
Volatge:	12 VDC
Watts:	12 W

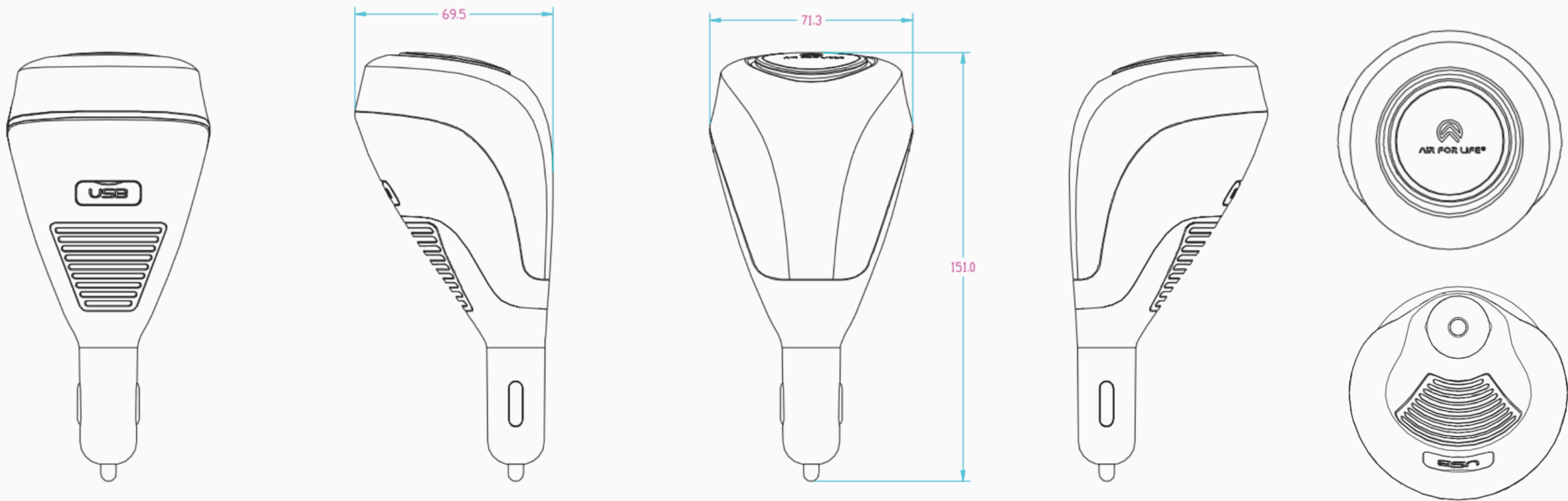
Mechanical Specifications			
Material:	Polymers (ABS & PC) / Stainless steel dust gaurd	Weight:	0.45 kg
		Shipping Weight:	0.9 kg



Electrical Specifications	
Volatge:	DC 12 V
Rated Power:	1W
USB Load	5V, 1A
Power with USB output	8.5W

Model : AFL CAR

AFL Car Sanifier



Mechanical specification			
Material	ABS+PC	wight	110g
Colour	Black/whit	Shipping weight	270g
Fan motor type	Dual ball bearing	Colour	Black, White
Output Load	5V,1A		

Electrical Component specification			
Ion density	≥2000 million/cm ³	Fan motor type	Dual ball bearing
PCO cell	0.1W	Fan	Rated 12VDC, 5000rpm



AIR FOR LIFE
ANTI POLLUTION MASK

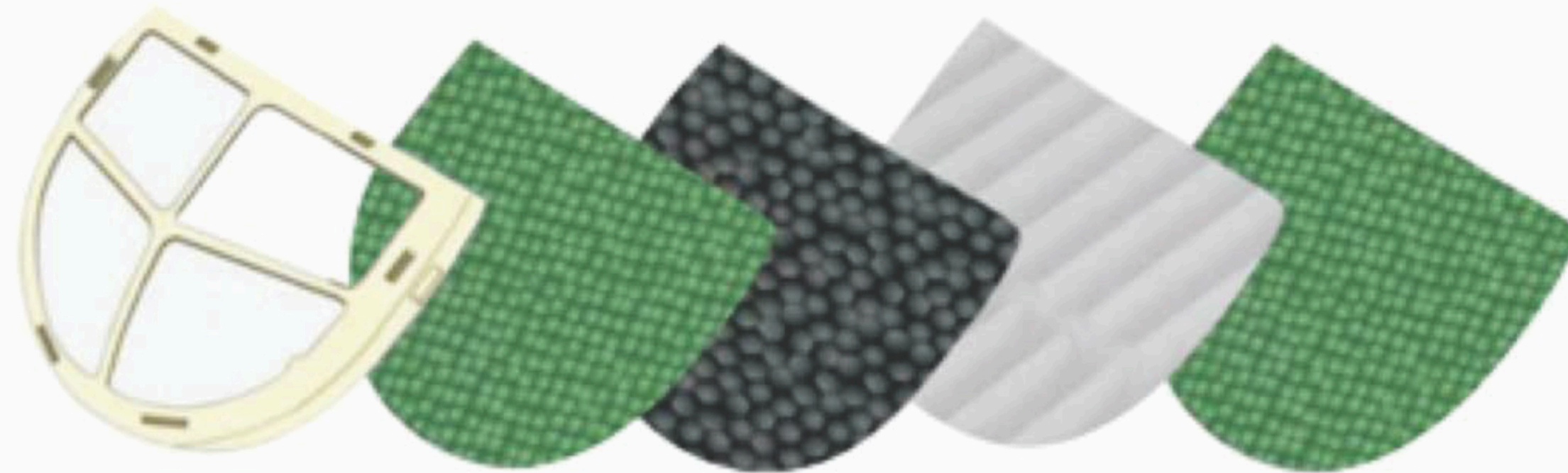
Model : AFL MASK

AFL Anti Pollution Mask



- 4 Stage Nano Filter Which protects against 99% of PM2.5.
- Chargeable USB with 4-6 Hours battery Life.
- One touch easy to use fan assisted cooling mask with 2 speeds.
- Food standard silica gel mouth cover for Maximum comfort and ease of cleaning.
- Easy to replace filter and magnetic filter cover.
- Covers available in a range of fashionable colours.

4 STAGE NANO SILVER ION FILTER

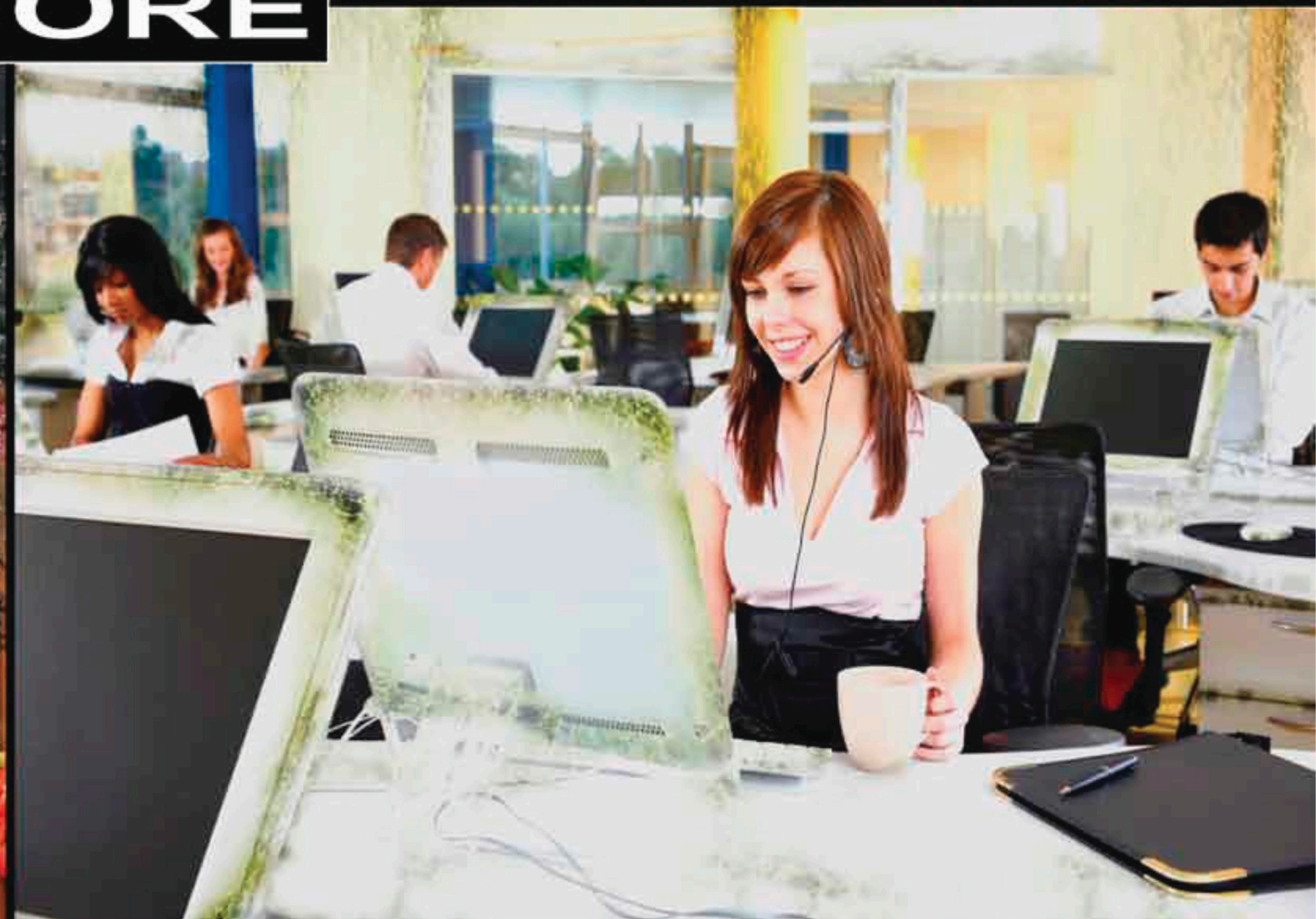


Antibacterial Cotton / Activated Carbon / Nano Silver HEPA

- 1st.** The first stage (layer 1 & 4) is the primary antibacterial cotton filter which blocks dust and larger particles.
- 2nd.** The second stage is an efficient activated carbon filter which prevents bad odors and harmful gases from being inhaled.
- 3rd.** The third stage is antibacterial nano silver ion layer which is sprayed on the HEPA layer. The nano silver ions effectively protect against harmful bacteria and viruses such as Staphylococcus Aureus, Escherichia Coli etc.
- 4th.** The stage is the highly efficient HEPA filter which uses 3M's H11 grade filter to effectively remove particles up to 0.3 microns, PM2.5 filtration efficiency is more than 99%.

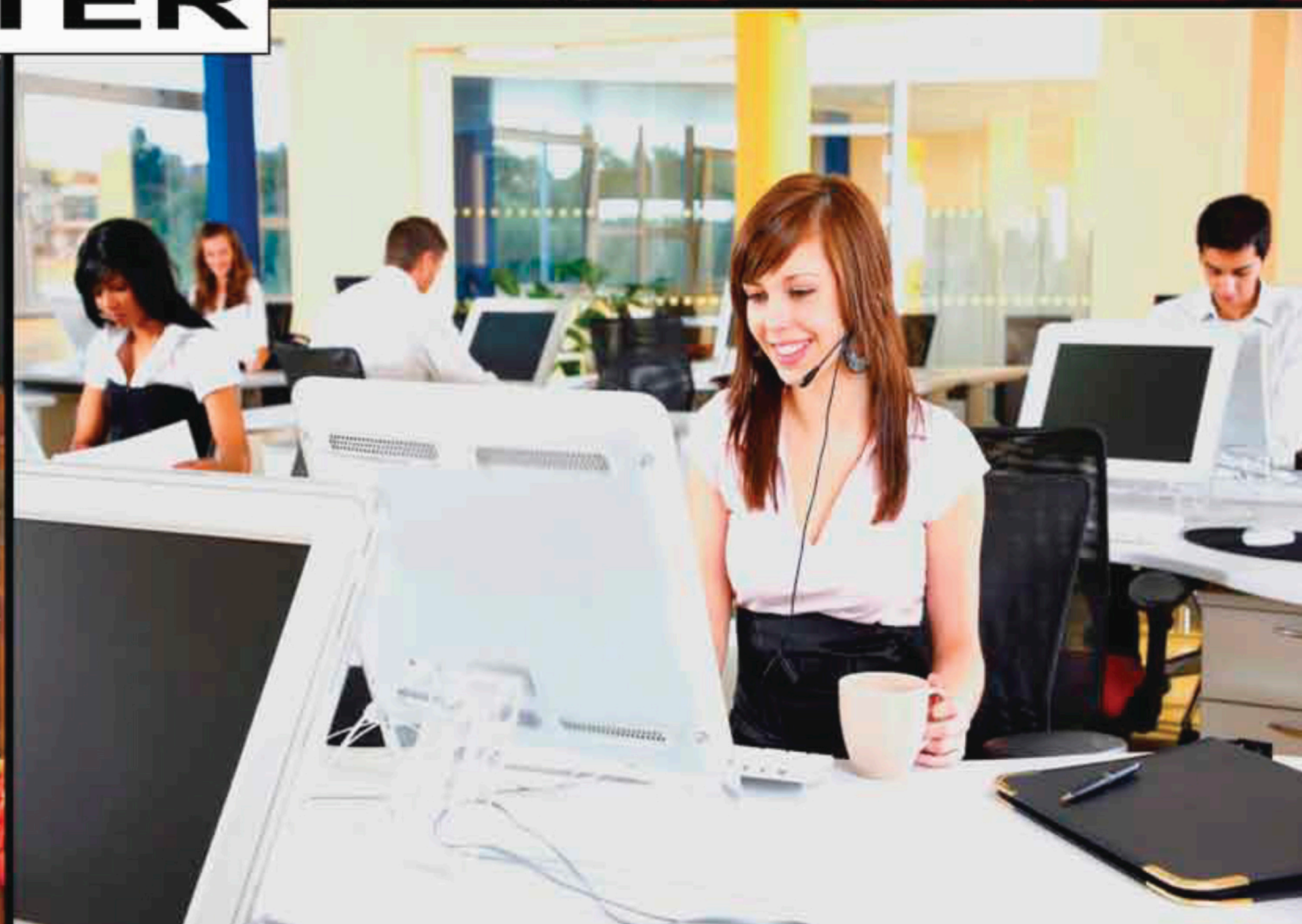


BEFORE





AFTER



HEAD OF RESEARCH - FOUNDATION



Dr. Nabarun Ghosh
Ph.D M.Sc B.Ed B.Sc

Associate Professor of Biology
West Texas A&M University

Post Doctoral

Experience: Post Doctoral Fellow
(1999-2000) Baylor College of Medicine, Houston, Texas

I performed ultrastructural studies of parasympathetic innervations of the heart of $\alpha 3$ deficient knockout mice using in situ hybridization, immunocytochemical labeling, Electron Microscopy.

Education:

Doctoral: Ph.D. Biology, University of North Texas, Denton, Texas. 1998
Completed 130 credit hours of study with GPA 4.0
Thesis Advisor: Professor Don W. Smith Ph.D.

Ph.D. Cytogenetics (Botany), University of Calcutta, India. 1995
Thesis Advisor: Professor A. Chatterjee Ph.D.

Master's: M.S. in Cytogenetics, University of Calcutta, India. 1987
Thesis Advisor: Professor Archana Sharma D.Sc., FNA

Bachelor's: B.S. (Hons.) Botany, Zoology, University of Calcutta, India. 1985
Human Physiology

B.Ed. in Education and Psychology, University of Calcutta, India. 1990

(8/92-8/98) Research Fellow, Department of Biological Sciences
University of North Texas, Denton, TX 76203

CSIR (Council of Scientific and Industrial Research) Fellow (1991-93), Senior Research Fellow (1990-91), Junior Research Fellow (1989-90) Center of Advanced Study in Cell and Chromosome research in Botany, University of Calcutta, India.

Prof. Ghosh obtained two Ph.D. Degrees, one from the University of Calcutta, India and the other one is from The University of North Texas Denton. He had his Post-Doctoral experience at the Baylor College of Medicine, Houston. He is in research for last 21 years. Presently he is serving as the Associate Professor of Biology at the West Texas A&M University, Canyon. Prof. Ghosh's area of research is rather vast, Aerobiology and Air Quality, Cytology, Electron Microscopy, Tissue Culture, Plant Pathology, Virology, and Water Quality. He has also established a molecular core at the Killgore Research Center at the Killgore Research Center of the university. He has collaboration with Penn State, Cornell University, Texas Tech, Lubbock and UNT, Denton. He has published 60 or more research articles in reputed scientific journals. He served as the President for the Texas Society for Microscopy (2008-2009). He is a member of the American Academy of Allergy, Asthma and Immunology (AAAAI) and 10 other societies. He presented his research nationally and internationally.

Prof. Ghosh Ph.D. has been working with Dr. Jeff Bennert Ph.D., for the last five years on various aspects of assessments of the air purifiers in terms of reduction and eradication of aeroallergen like mold, bacteria, odor, dust, VOCs and allergic rhinitis using air purifiers and published more than 10 articles jointly with Dr. Bennert. Prof. Ghosh's Laboratory works on the daily aeroallergen index of the Texas Panhandle area and posts that for the Channel 4 and 7 TV news every day.

Publications by : Prof.Nabarun Ghosh

- Nabarun Ghosh, A. Chatterjee and Don W. Smith (2009). Seed surface and seed anatomy with light and scanning electron microscopy on four leguminous genera. Journal of Scanning Microscopies (June 2009) (Accepted, in press.)
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* denotes undergraduate co-author

HEAD OF DEVELOPMENT AFL FOUNDATION



Dr. Jeff Bennert
Ph.D C.T.N.
President of Lifesmiracle

Dr. Jeff Bennert has been a Texan resident for over 25 years.

Dr. Bennert began his undergraduate studies in 1970 at South Eastern Oklahoma State University majoring in Physical and Secondary Education before graduating in 1974.

He has a Ph.D in Naturopathic Sciences (Holistic Nutrition) from Chatworth College of Natural Health and Nutritional Science. He also has a Bachelors and Masters Degrees in Natural Health from Clayton College of Natural Health.

He began his career as a well logging engineer working in sales and management for major oilfield companies in the Texas Panhandle where Dr. Bennert specialized in drill pipe recovery and cased-hole production well logging. He changed careers in 1988 to specialize in promoting natural health products as health and education and environmental concerns came to the fore by the end of the 1980's.

Dr Bennert and his wife Cherry owned and operated a nationally known wellness center for over 13 years from 1988 through to 2001 before moving into the field of air purification. He is currently co-owner of Life's Miracle, a company specializing in nutritional supplements and wellness products.

Dr Bennert is Board Certified as a Traditional Naturopath (CTN) with the American Naturopathic Certification Board (ANCB) and is in good standing with the American Naturopathic Medical Association. He has lectured extensively throughout North America and Canada, been on radio and TV, and hosts weekly nutritional conference calls.

He regularly participates on Advisory and Scientific Boards, of nationally known nutrition companies and has taught continuing education courses on natural health locally for Colleges and the Veterans Administration. He has also consulted in the formulation of several nutritional supplements.

He is considered an expert in the field of air purification and has co-authored:

- The Miracle of Superfruit - Miracle of Minerals - What's in Your Air

Case Study (Date: 3 June 2009)

Swine H1N1 Influenza A:
Transmission of Viruses in Indoor Air:
Steven Welty CAFS, CIE, LEED AP
Green Clean Air Reston VA

The "Swine Flu" pandemic demonstrated just how fast and far influenza can travel to infect and kill innocent victims:

What's Influenza A Virus & How does it infect people?

Influenza A causes disease primarily in the lungs as it loves to infect the lower respiratory system.

Bacteria vs Viruses - Know Your Airborne Germ:

Bacteria

1. Living Cells
2. Need moisture
3. Most need Oxygen
4. Need Nutrients to Reproduce
5. Grow by cell division
6. Some can self propel

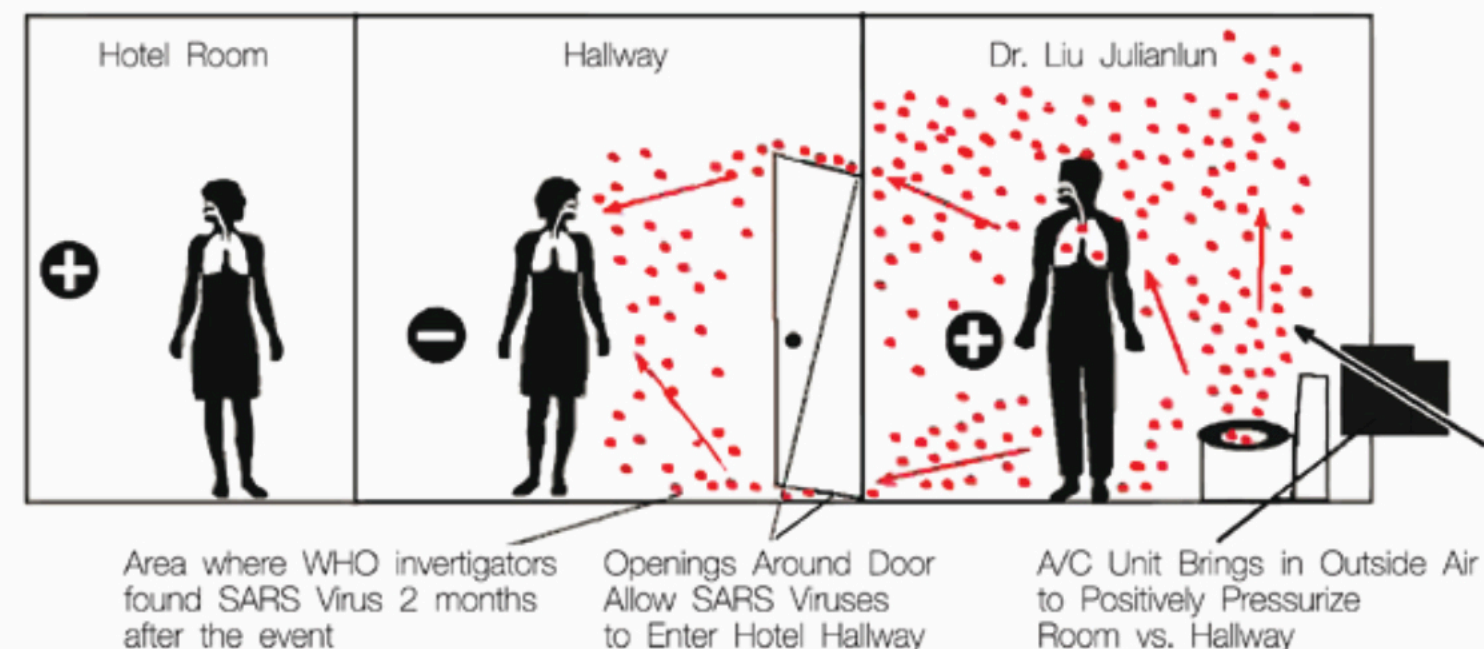
Viruses

1. Not "Living" Cells-Inert DNA/RNA in a protein shell
2. Do Not Need moisture
3. Do Not Need Oxygen
4. Do Not Need Nutrients to Reproduce
5. Do Not Grow by cell division
6. Do Not Some can self propel

Toilet water viral aerosolization

The 2003 SARS epidemic showcased the lethality of toilet water aerosolization in these published accounts:

1. Liu Jianlun was the Chinese Doctor who initiated the worldwide SARS epidemic when he stayed in Hong Kong at The Metropole Hotel in February 2003.
 - Infected with SARS and having diarrhea, he probably infected 12 fellow hotel guests through toilet water aerosolization. Those travelers flew around the world and one brought SARS to Toronto thereby devastating the city.
2. Wang Kaixi was infected with SARS at the same hospital which was treating a SARS infected patient who visited a hotel guest's whose room was on the same hall as Liu Jianlun at the Metropole hotel.
 - Infected with SARS and having diarrhea, he probably infected over 200 fellow residents through toilet water aerosolization. The twist was many were over 160 feet away from his apartment.

Airborne SARS Transmission at The Metropole Hotel Kowloon Hong Kong 02.22.2003**Case Study (Date: 24th October 2008)**

Investigation on CA-MRSA isolates for eradication measures:

The efficiency of **LUNA** air purifiers on eradication of bacterial pathogens with special reference to Staphylococcus aureus (Staph Infections):

Dr. Nabarun Ghosh and Others

Department of Life, Earth and Environmental Sciences
West Texas A&M University, Texas

Introduction

The air surrounding us plays an extremely important role in our well being and efficiency. Breathing pure and clean air allows us to think more clearly, sleep more soundly, and stay healthier. Studies show that we receive 56% of our energy from the air we breathe, more than from water and food combined!

In previous experimental studies utilizing the **LUNA** LNT2 technology, it has been established that the use of negative ions in a purification system is an effective means of eradicating aeroallergens such as mold and microbes in room air. The removal of bacterial pathogens from the air, especially in diseases that are transmitted by droplets like Mycobacterium tuberculosis, is a promising way to reduce disease transmission in the clinical healthcare setting...

Case Study (Date: January 2009)

Qualitative Essay of Indoor Air using a **LUNA** Air Purifier with Special Reference to the Reduction of Aero Allergens and Pollutants:

Dr. Nabarun Ghosh and Others

Department of Life, Earth and Environmental Sciences
West Texas A&M University, Texas

Introduction

Aeroallergens are often the cause of serious allergic and asthmatic reactions, affecting millions of people each year.

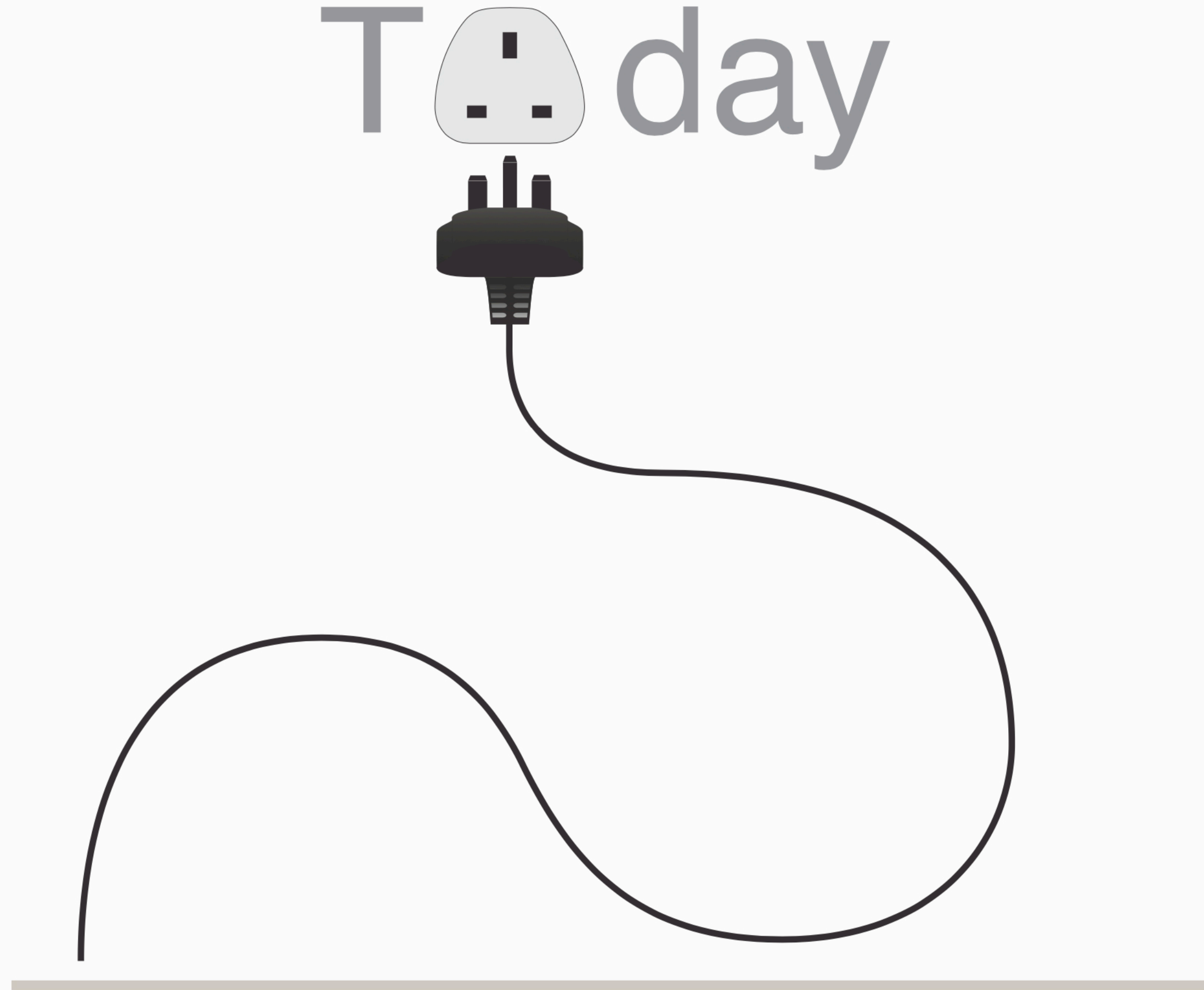
The neglect of indoor air quality can cause or contribute to short and long-term health problems including asthma, respiratory tract infection and disease, allergic reactions... Not only does poor indoor air quality contribute to an unhealthy environment; it also hastens building deterioration. One study on an elementary school showed that if \$8,140 had been spent over 22 years on preventative maintenance, \$1.5 million in repairs could have been avoided by the use of a proper monitoring of aeroallergens and air purifying system...

For full details of the test please refer to the **AFL** Website at:

www.airforlife.net

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THANK YOU

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