

# Aura Air

The World's Smartest Air  
Management Platform

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**“Indoor air pollution is a  
GLOBAL PUBLIC EMERGENCY.  
It threatens everyone”**

United Nations, 2019

# **A Data-Driven Air Quality Platform Based on User Behavior Algorithm Through 4 Steps:**



# #1

Aura detects indoor and outdoor air quality based on real-time monitoring through an array of smart sensors.



## Indoor

Smoke  
CO  
CO2  
VOC  
PM 2.5  
PM 10  
Temperature  
Humidity



## Outdoor

CO  
NOX  
NO  
NO2  
O3 (Ozone)  
Allergies  
VOC  
PM 2.5  
PM 10  
Temperature  
Humidity  
Weather & Weather forecast

# #2

Using our algorithm - You can control, define, and modify the settings - changing functionality of your Aura Air devices according to what matters most to your business.

The image displays two overlapping screenshots of the Aura Air web interface. The background screenshot shows the 'Add New Rule' modal window. The modal has a title 'Add New Rule' and a close button. It contains several input fields: 'Rule Name' (with a dropdown), 'Location', 'Floor', and 'Group'. Below these are checkboxes for various parameters: Temperature (F), Humidity (%), PM 2.5 (ug/m3), PM 10 (ug/m3), TVOC's (ppb), CO (ppb), and CO2 (ppb). Each parameter has 'MIN' and 'MAX' input fields. At the bottom, there is a 'Set LEED® standards' checkbox and an 'Add Rule' button. The foreground screenshot shows the main dashboard. It features a left sidebar with navigation options: Dashboard, Device, Group, Floor, Reports, Rules, and Users. The main content area includes: 1. 'Air Quality' section showing a score of 10/500 (Excellent) with a bar chart. 2. 'Weather' section showing 24°C/F, Humidity: 42%, and Wind: 14km/h. 3. 'Pollen' section showing a score of 4/5 (Low) with a pollen icon. 4. A 'Kitchen' section with a line graph showing CO2 and VOC levels over time (Sunday to Jun). 5. An 'Alerts & Maintenance' table at the bottom.

Device Name	Floor	Group	Parameter	Level	Action	Time
Manager 3	4	C-level	NO	150		16/2/20 18:00
Office 1	12	Night Shift			Clean Pre-Filter	14/2/20 20:00
Kitchen	1	Night Shift			Change Ray-Filter To the Report	02/3/20 11:20

# #3

Aura filters and disinfects air through 4 unique stages:

Pre-filter:

The pre-filter captures large particles of dust, pollen, insects, animal hair and other large particles.

The Ray Filter™:

Our patented filter.

The Ray filter™ consists of three parts:

HEPA - 99.98% effective particle filter of 0.3 microns.

Carbon layer- absorbs VOCs and bad odors.

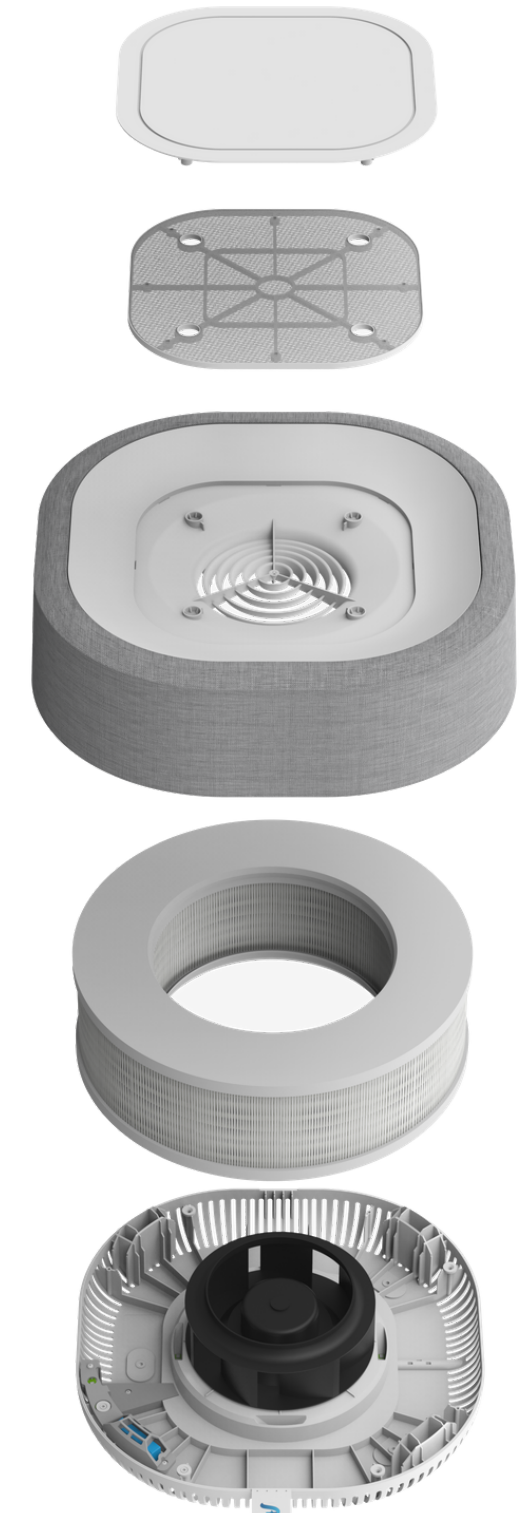
Smart Copper Fabric - a smart fabric consisting of a copper layer filter that filters viruses, bacteria, and more.

The Sterionizer™:

A component based on the technology of bipolar ionization. The Sterionizer™ generates positive and negative ions – just like those found in nature – that purify and freshen indoor air by eliminating the harmful pollutants mentioned above.

UVC LEDs:

Effective in neutralizing bacteria, viruses, and parasites by destroying the proteins on the cell membrane.



# The Ray Filter™

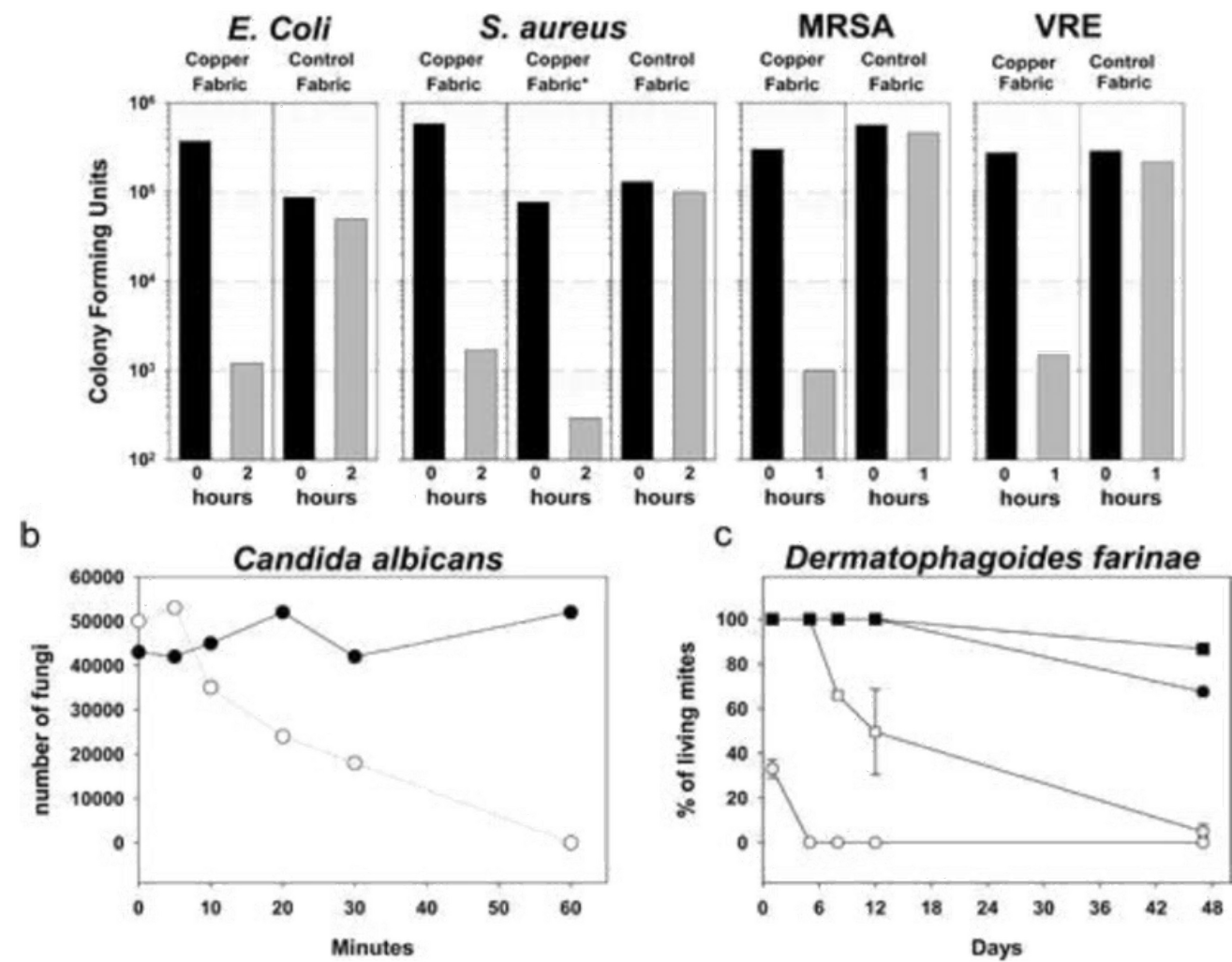
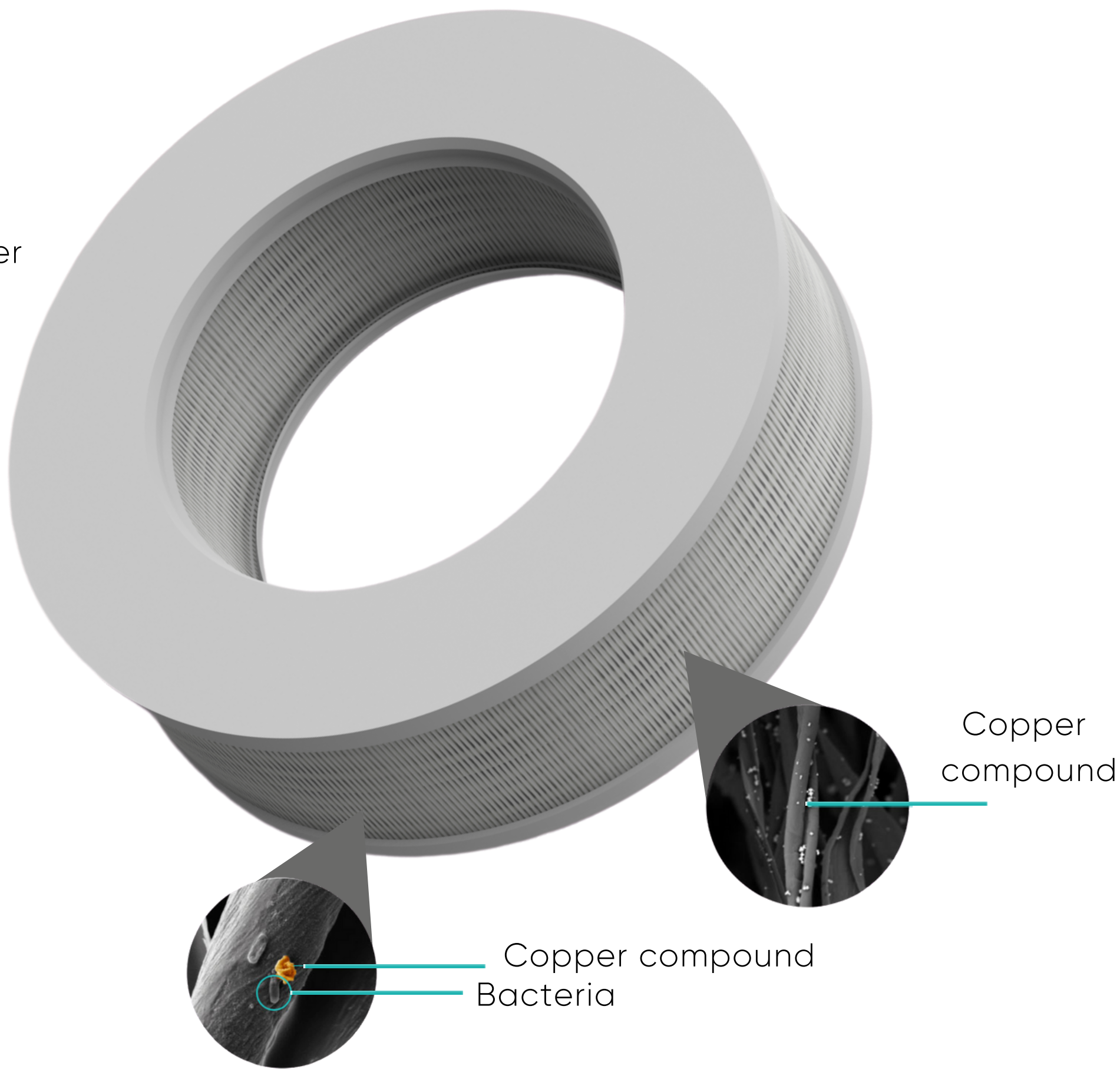
The Ray Filter™ consists of three parts:

HEPA - 99.98% effective particle filter of 0.3 microns.

Carbon layer- absorbs VOCs and bad odors.

Smart Copper Fabric - a smart fabric consisting of a copper layer filter that filters viruses, bacteria, and more.

The efficacy to decrease bacteria, mold and viruses:

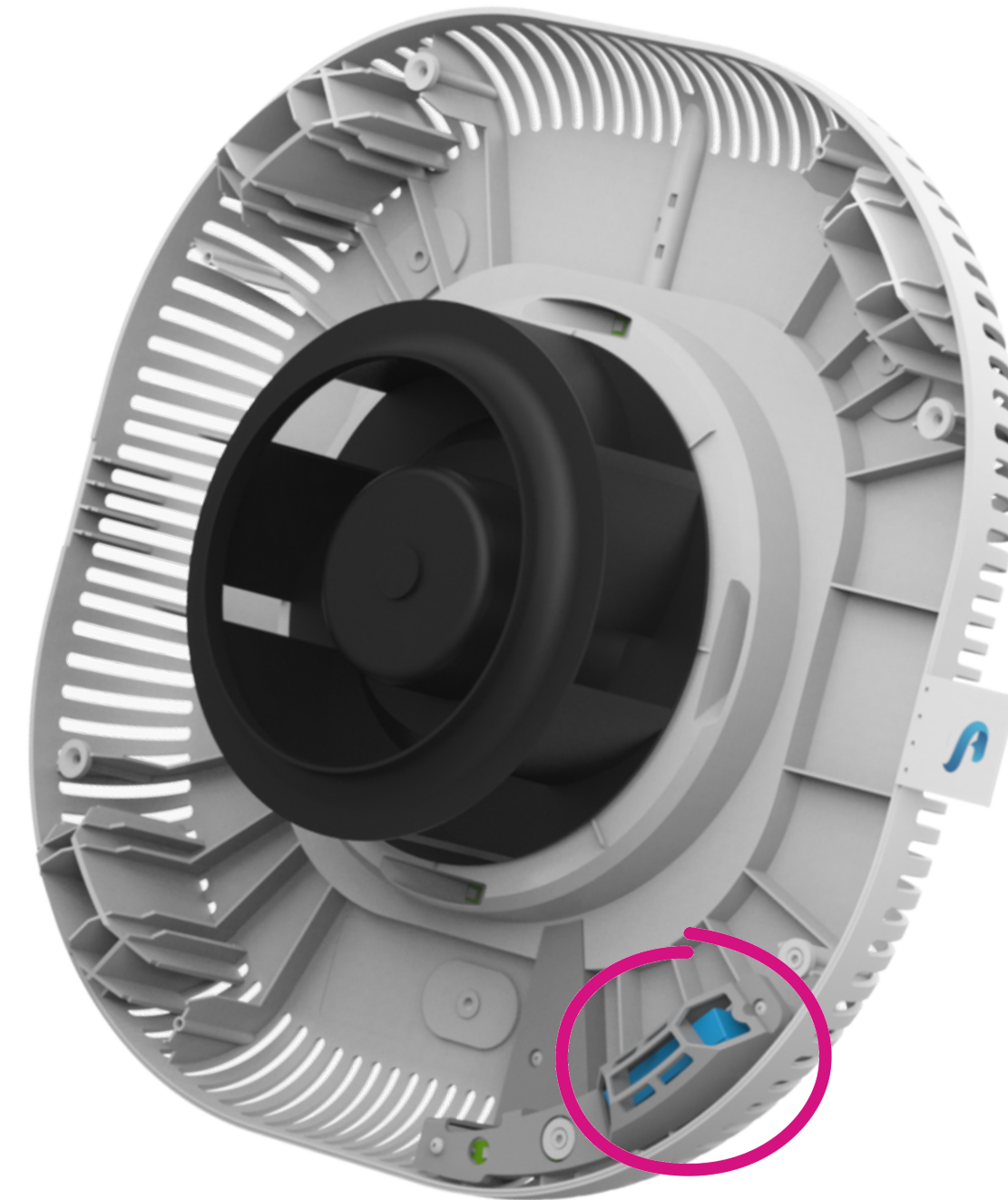


# The Sterionizer™

A component based on the technology of bipolar ionization. The Sterionizer™ generates positive and negative ions – just like those found in nature – that purify and freshen indoor air by eliminating the harmful pollutants mentioned above.

The efficiency of the Sterionizer™ in removing different types of pollutants:

Substance	Substance name	Removal
Bacteria	Escherichia Coli	99%
	Escherichia Coli ATCC	91%
	Staphylococcus aureus	91%
	Pseudomonas aeruginosa	99%
	Staphylococcus aureus (MRSA)	99%
Fungus	Aspergillus Niger	97%
	Candida albicans	36%
	Dichobotrys abundans	90%
	Penicillium	95%
Mold	Cladosporium cladosporioides	97%
Spores	Bacillus subtilis var Niger	89%
Viruses	Influenza H1N1	99%
	Influenza H5N1	99%

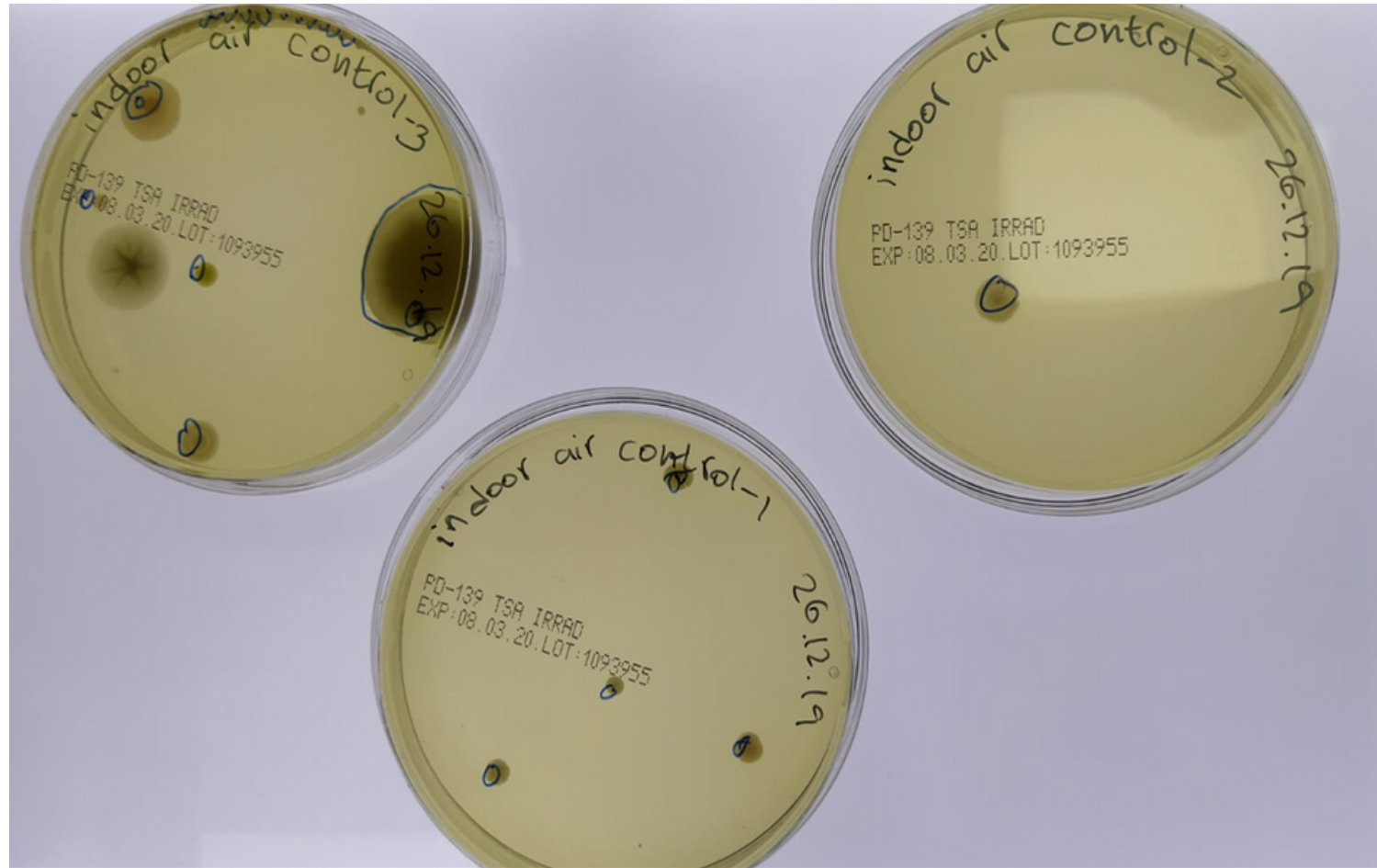


Refrigerator **without** the Sterionizer (After 2 weeks)



Refrigerator **with** the Sterionizer (After 2 weeks)





Incubation results of the control plates  
December 31st ,2019



Incubation results of the  
Ray Filter™ + Sterionizer™ + UVC LEDs plates  
December 31st,2019



# Coronavirus Clinical Trials

## 2. Testing Results:

Results processing: The data measured by the RT-PCR system at # 32 was used to evaluate the results of the experiment. This have been defined as the last point in which measurements of control samples do not show saturation of detector and prevent misunderstanding of the results.

Results:

Sample	Coronavirus Reduction Ratio [%]
Ref.1	
HEPA rep1	99.7243
SCF rep.1	99.9744
Sterionizer™ LP rep.1	99.9651
Sterionizer™ HP rep.1	99.9429
UVC LED rep.1	99.9631



★★★★★

WORLD'S BEST HOSPITALS 2020

Newsweek

POWERED BY statista

**Two years in a row**

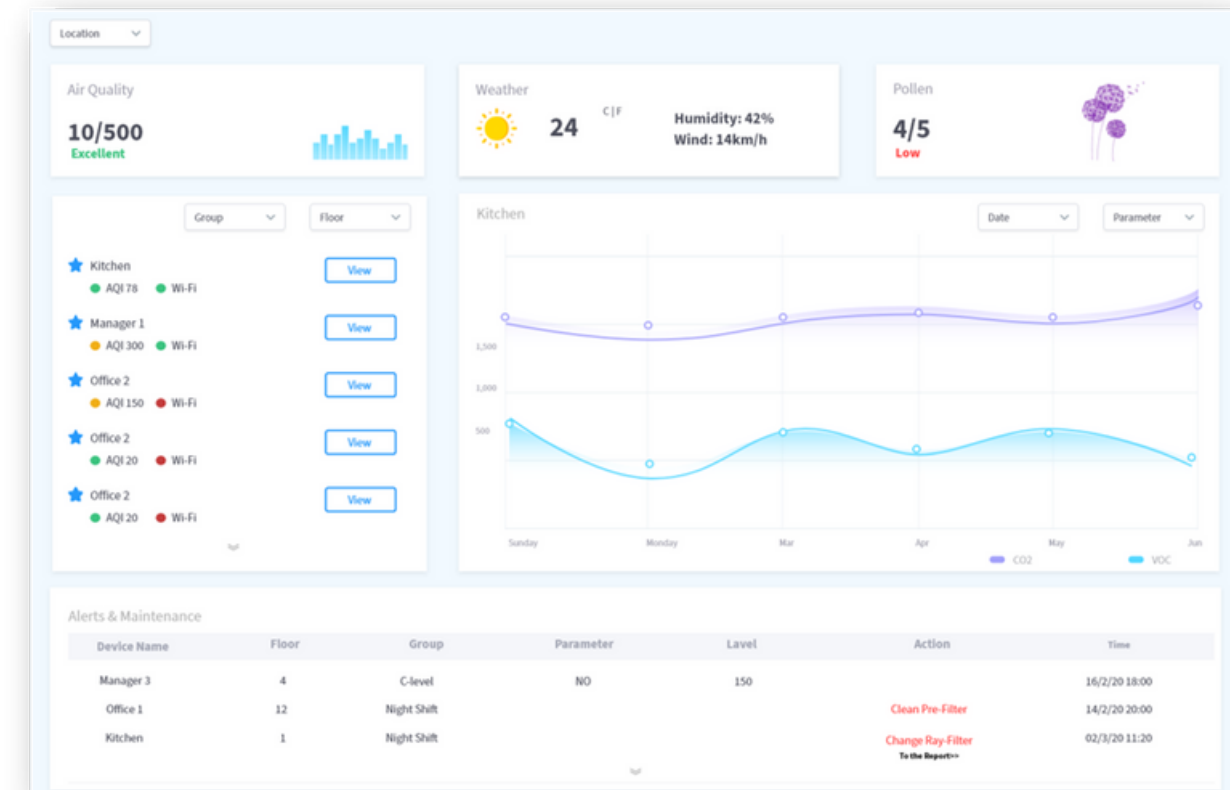
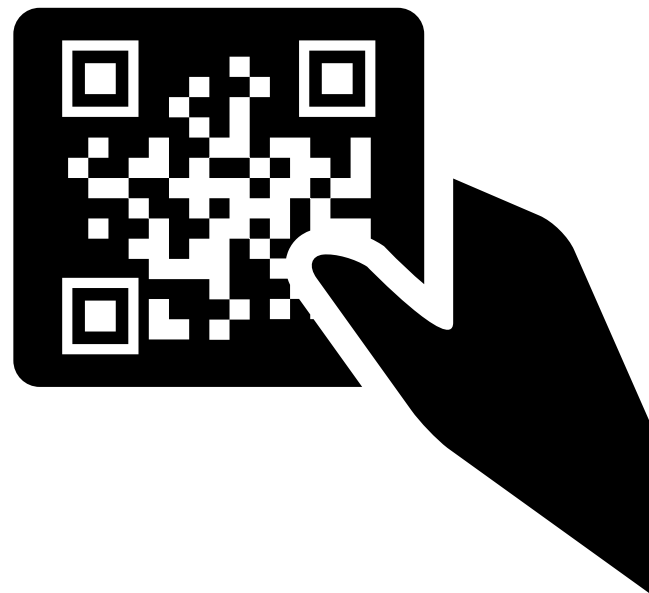
**Sheba is ranked as a world's Top 10 hospital**

**This year, ranked #9!**

# #4

Air Quality data is monitored in real-time to provide smart insights and recommendations.

- Enables real-time air quality measurements within the property.
- Customized insights and recommendations to the end-users according to their health necessities.
- Enhancing energy efficiency by distributing fresh air according to CO2 real-time measurements.
- Air conditioning operation according to the presence of people in the room.
- CO2 levels as a concentration index for offices/schools.



# Plug & Play





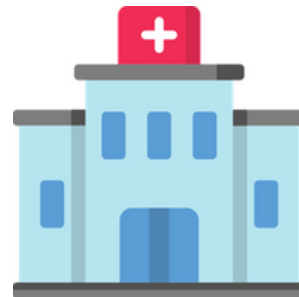
Hotels &  
Hospitality



Educational  
Institutions



Commercial  
Property



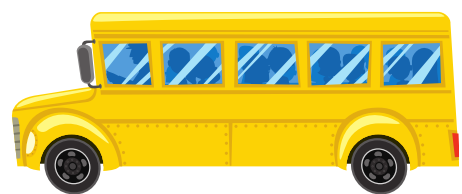
Healthcare  
Centers



Co-working  
spaces



Multi-Family  
Residential



Transportation



Nursing & Rehabilitation  
Homes

# Suitable Everywhere

Maximum fit for each space according to its size and needs. Group your devices by Organization, Location, and Floor to simplify operations.

# Schools and Universities



# Hotels



# Commercial Buildings



**SILVERSTEIN**  
PROPERTIES

*Carrier*

 SHELBOURNE

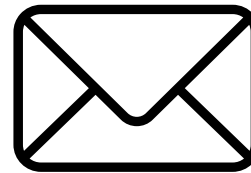
**CARR**  
PROPERTIES

# Hospitals

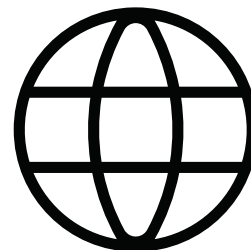


# Because Breathing Shouldn't Require a Second Thought

Get in touch with us for orders and inquiries.



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