The World's Smartest Air Management Platform

Aura

Distributed By:

Cascadia SPORT SYSTEMS
Custom sport solutions

LEED PLATINUM

U.S. GREEN BUILDING COUNCIL USGBC

RESET STANDARD

INTERNATIONAL WELL BUILDING INSTITUTE WELL SILVER Nivel Plata

"Indoor air pollution is a GLOBAL PUBLIC EMERGENCY. It threatens everyone"

– United Nations, 2019

3.8 million

deaths are attributed to household air pollution annually

Poor indoor air quality may dull cognitive abilities

Depression and suicide linked to air pollution in new global study

Research: Stale Office Air Is Making You Less Productive

Air Filters, Pollution and Student Achievement

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

1

Detect

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

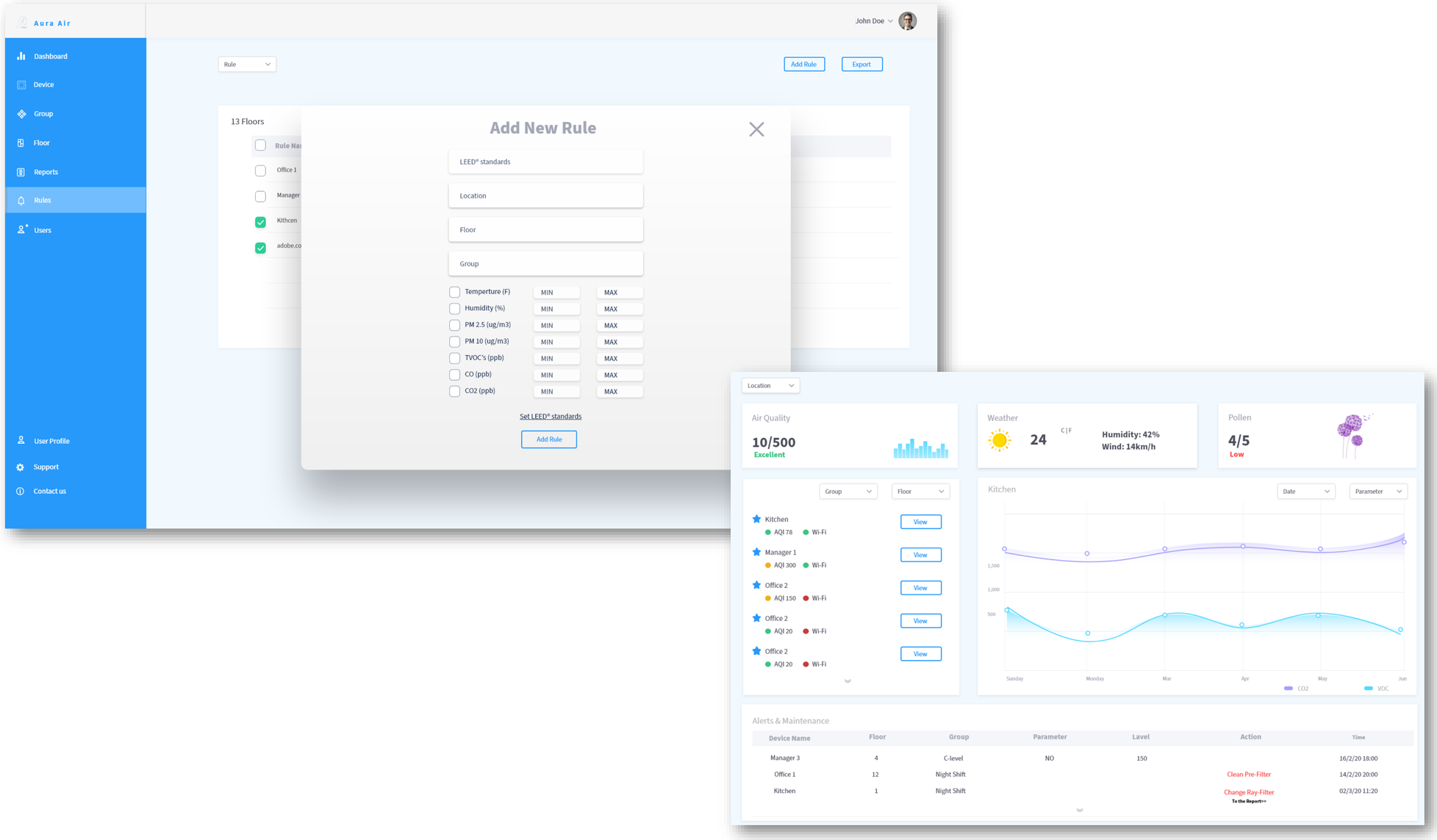
Outdoor

- ✓ CO
- ✓ NOX
- ✓ NO
- ✓ NO_2
- ✓ O_3 (Ozone)
- ✓ Allergies
- ✓ VOC
- ✓ PM 2.5
- ✓ PM 10
- ✓ Temperature
- ✓ Humidity
- ✓ Weather & Weather forecast

2

User Personalization

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



3

Filters &
Disinfects

Aura filters and disinfects air through 4 unique stages:

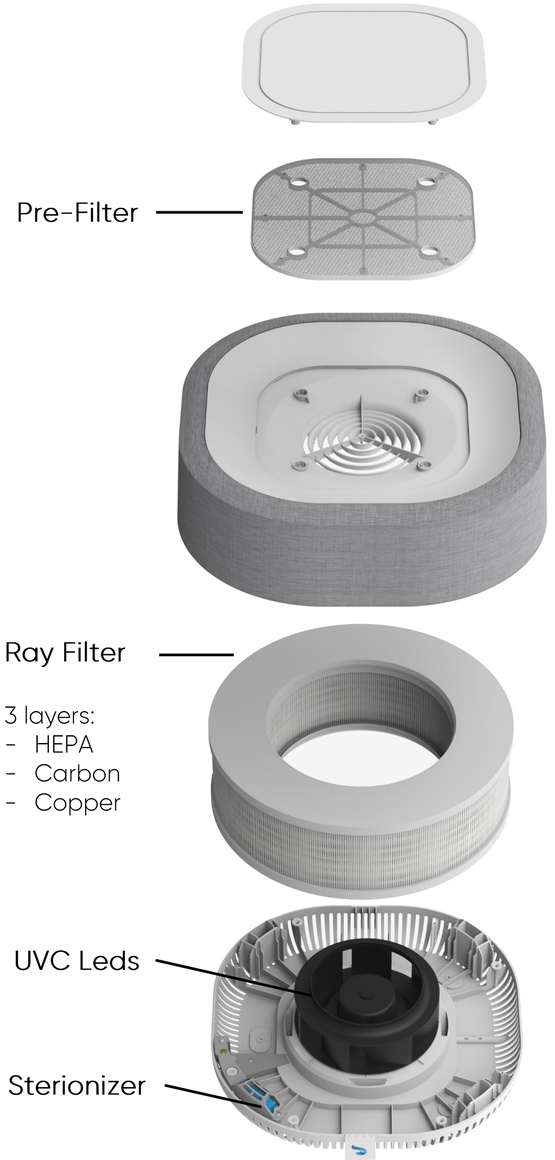
Pre filter:
The pre-filter filters large particles of dust, pollen, insects, animal hair and other large particles.

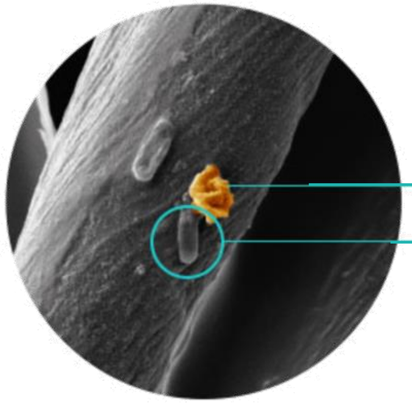
The Ray Filter:
Our patented filter.
The Ray filter consists of three parts:

- HEPA - 99.98% effective particle filter of 0.3 microns.
- Carbon layer- absorbs VOC's 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.

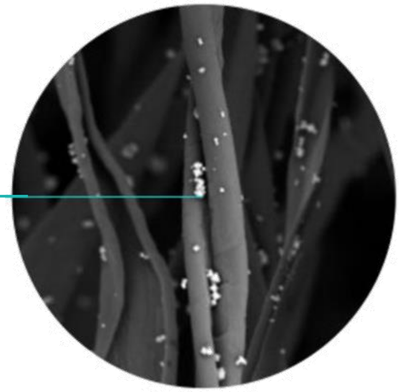




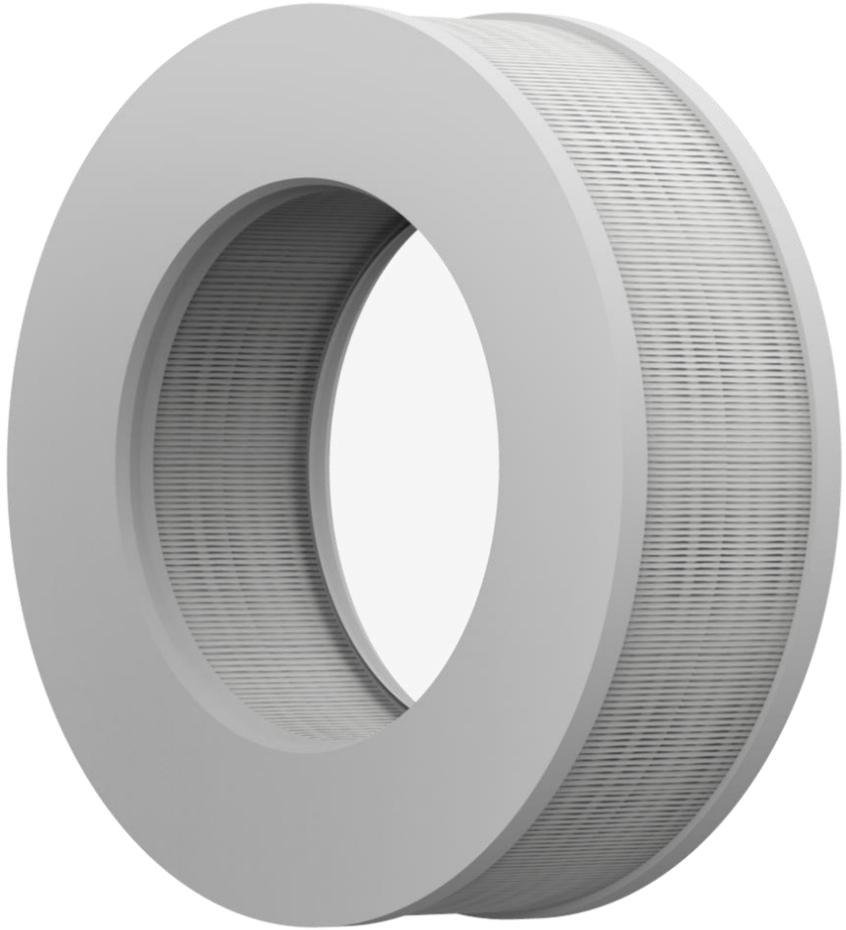
Copper compound

Copper compound

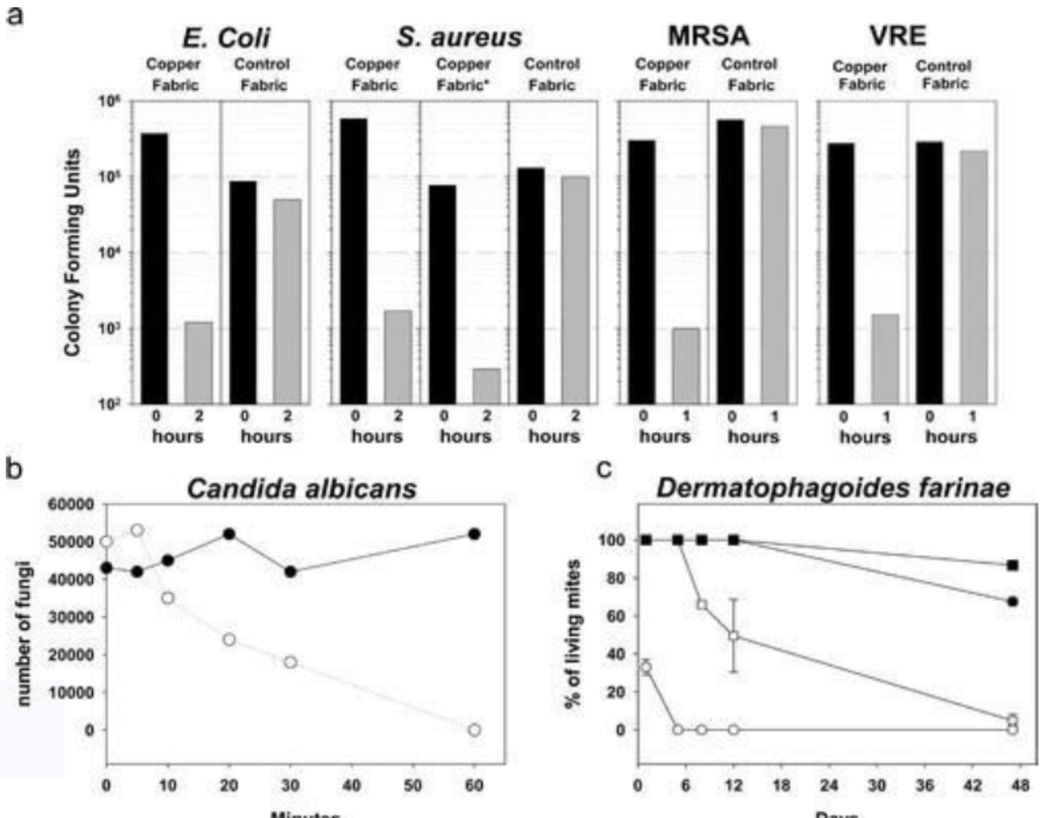
Bacteria



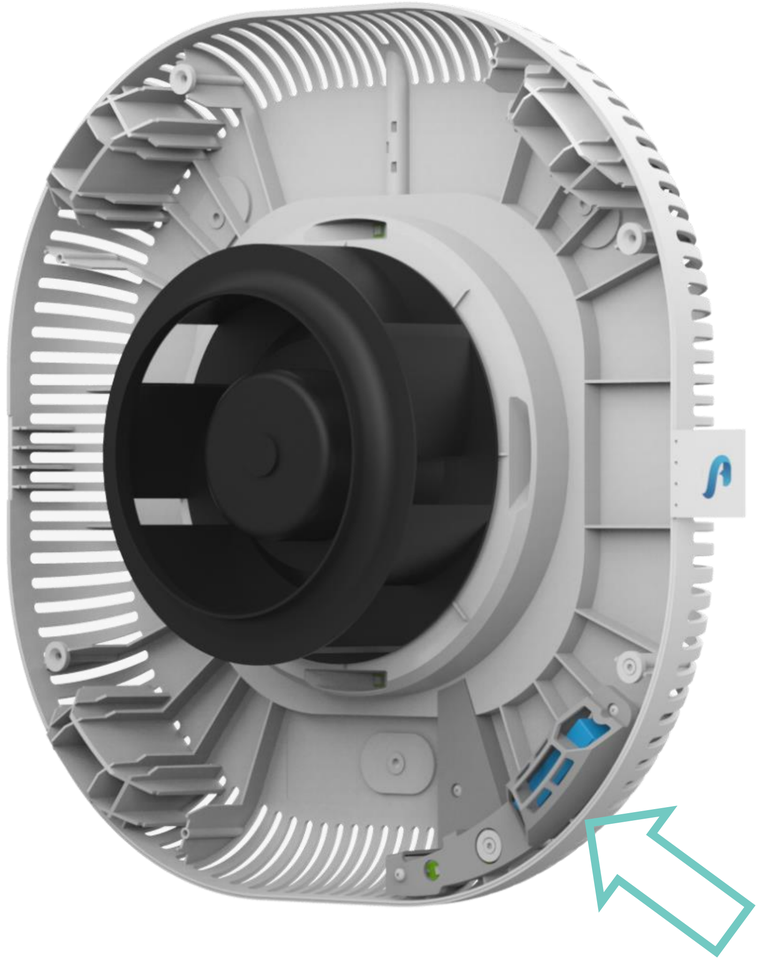
Ray Filter



The efficacy to decrease bacteria, mold and viruses:

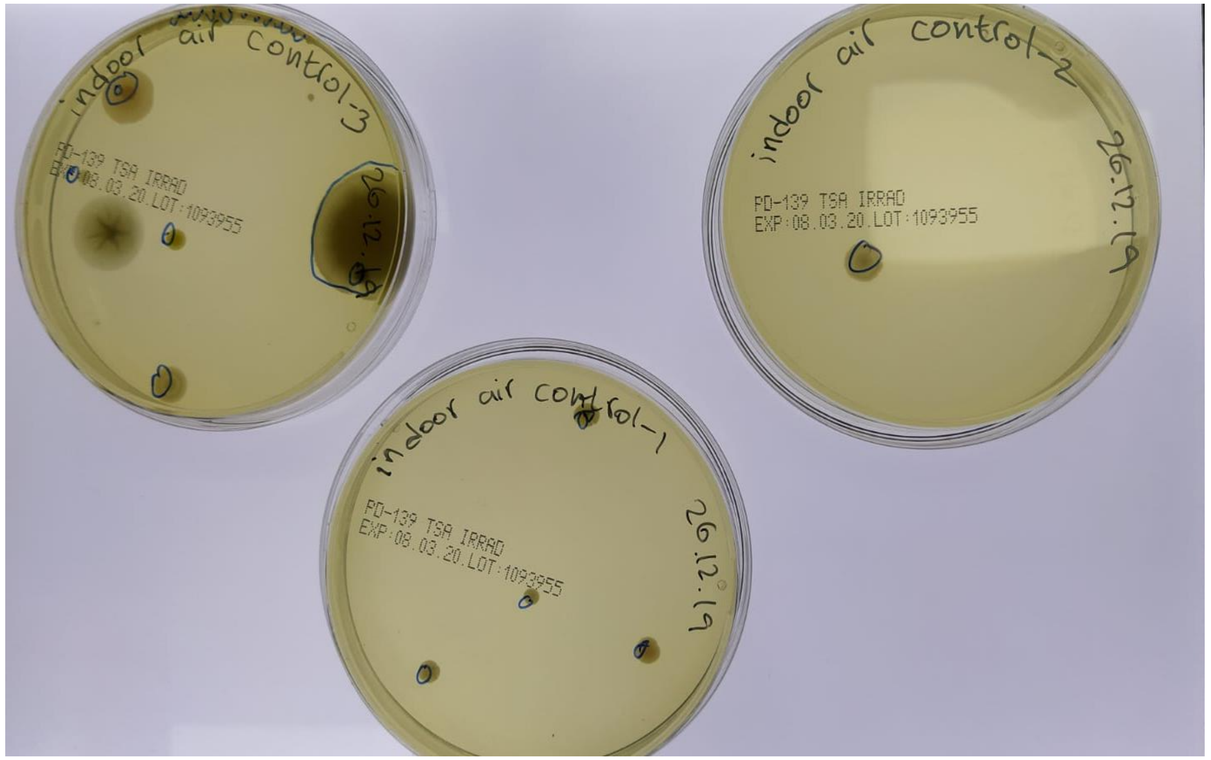


The Sterionizer

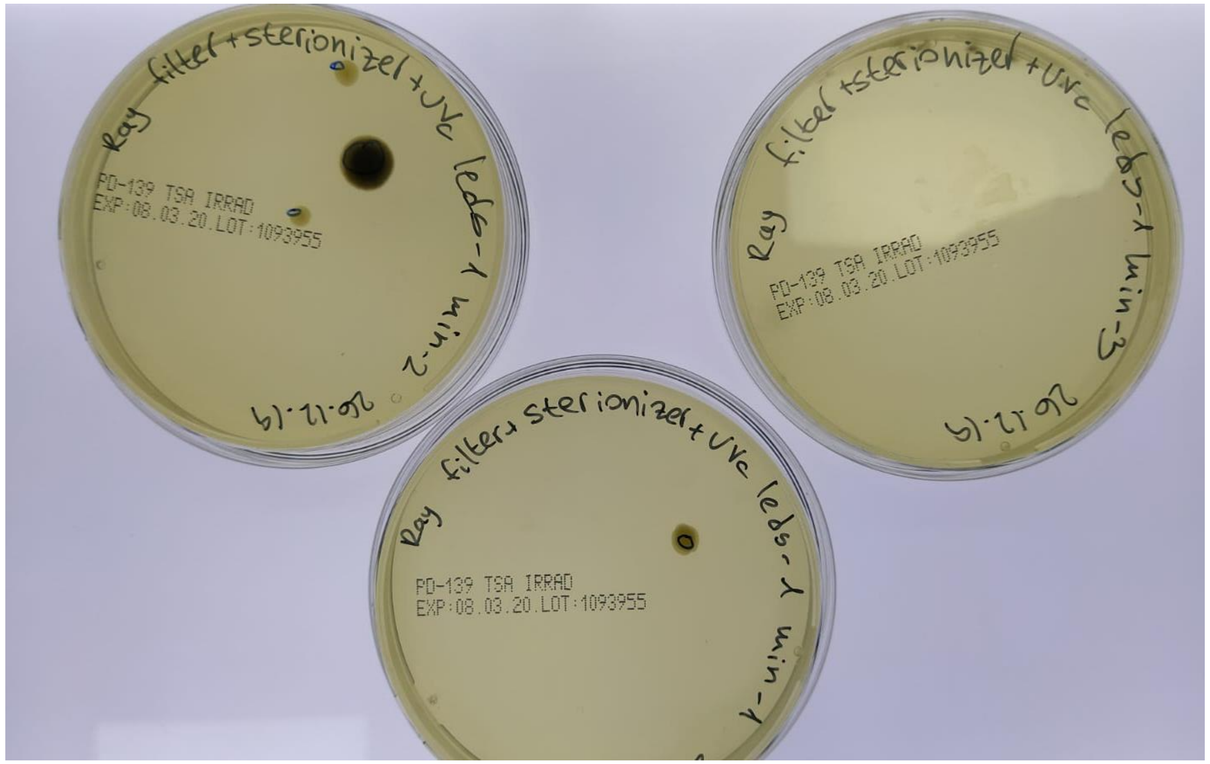


The efficiency of the Sterionizer in removing different types of pollutants:

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%



Incubation results of the control plates
December 31st ,2019



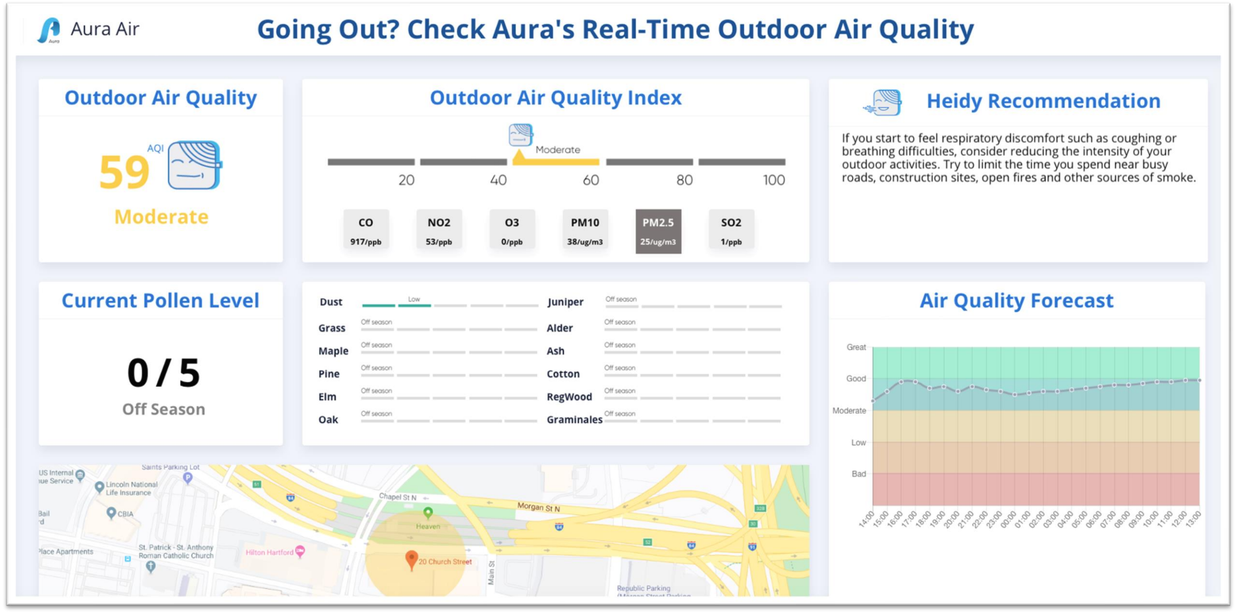
Incubation results of the Ray filter+ Sterionizer+ UVc LEDs plates
December 31st,2019

4

Data & Real-Time Control

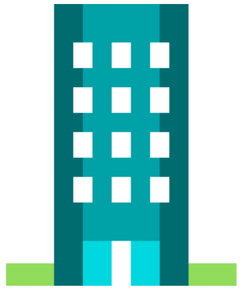
Air Quality data is monitored in real-time to provide smart insights and recommendations.

- 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.
- C02 levels as a concentration index for offices/schools.

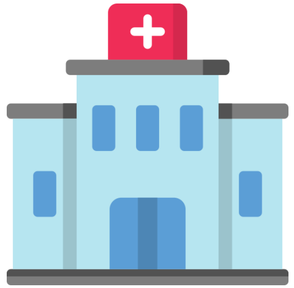


Suitable Everywhere

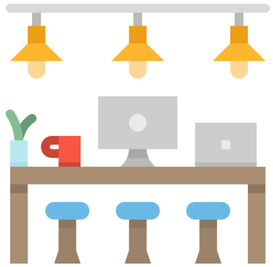
Hotels



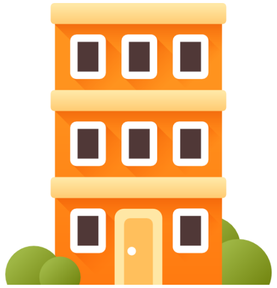
Commercial Property



Healthcare Centers



Co-working spaces



Nursing & Rehabilitation Homes

Educational Institutions

Multi-Family Residential

Sheba Medical Center Pilot:

August 13, 2019

Letter of Intent: Collaboration between Aura Smart Air Ltd. (515816114) to Surgical Department C, Sheba Medical Center.

Following the challenge we face with infections in the hospital, representatives of Aura Smart Air Ltd. contacted us, claiming that they could improve the current indoor air quality by disinfecting the purifying the air using the technology they developed.

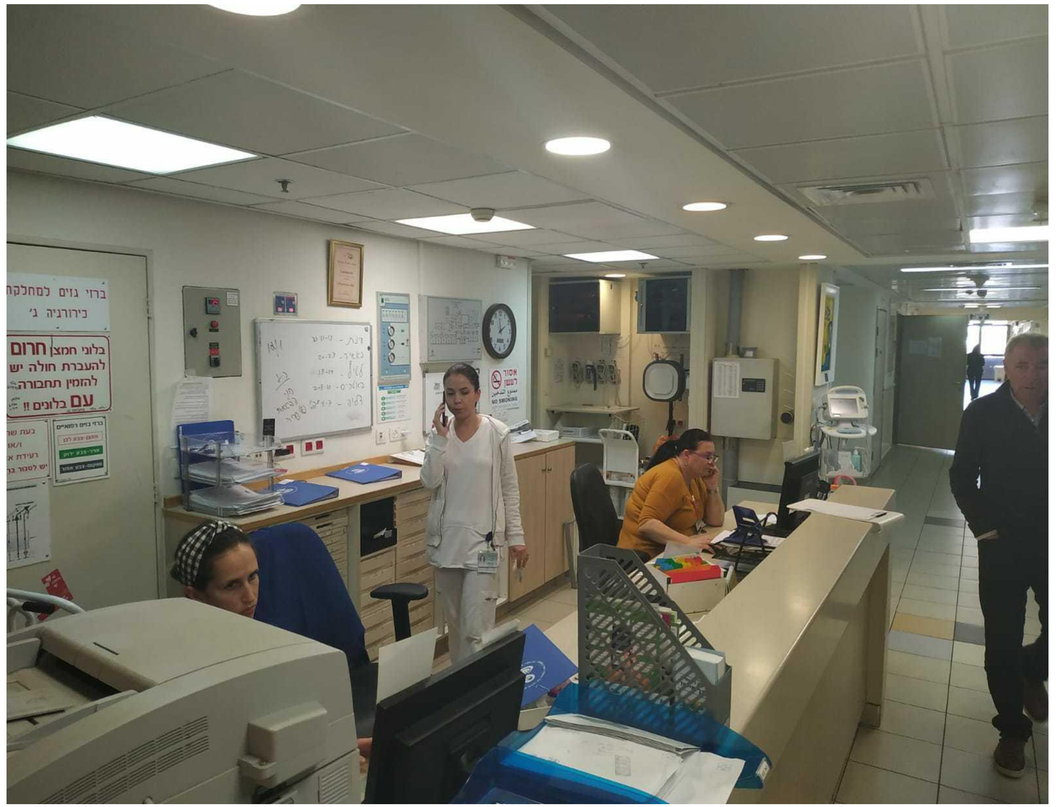
After several meetings that included reviewing Aura Smart Air's technology, a tour in the department, and air samples conducted at the facility; We believe there is a great potential for collaboration. We agreed to hold a pilot in the operating rooms and department rooms, with the ambition to look at improving air quality and dealing with the infections in the hospital.

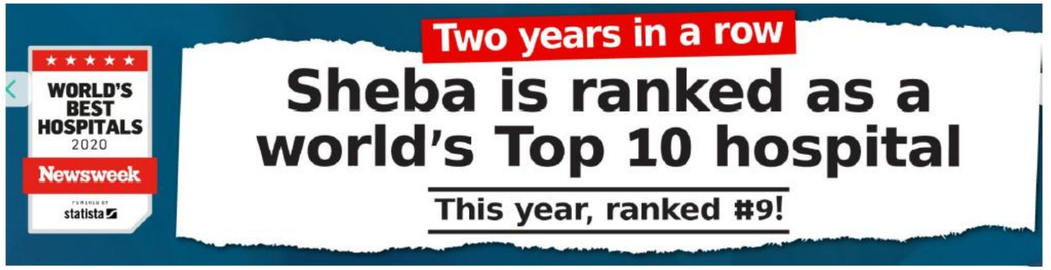
Best regards,

Professor Aviram Nissan

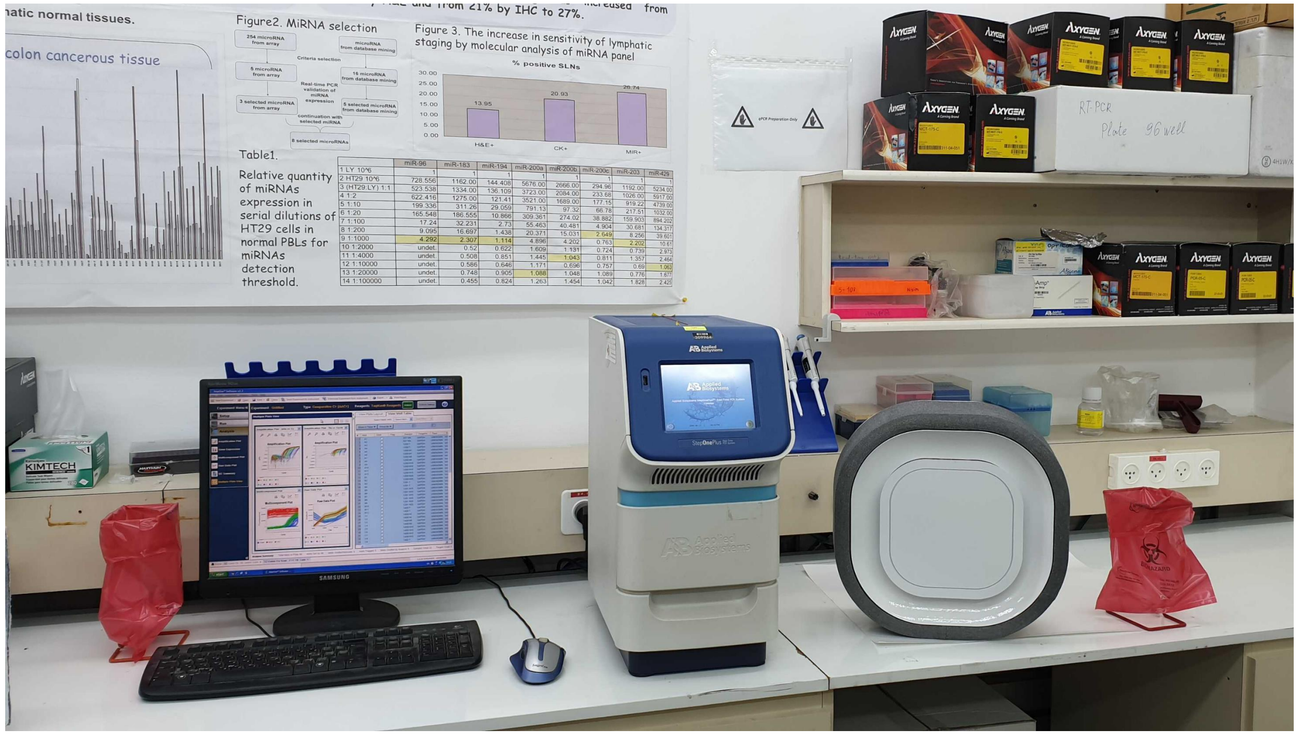
Director of Surgical Department C

Sheba Medical Center





Coronavirus Clinical Trials



Specification

Air Exchanges Per Hour:
2.5

Voltage:
110-240 V

Format:
Wall or ceiling

Wireless Communication:
WiFi

Height:
15 inch/ 15 inch / 6 inch
37.5 cm/ 37.5 cm / 15 cm

Weight:
7.7 lbs / 3.5 Kg

Max Noise level:
64 dB

Recommended Room Size:
600 ft^2
55 m^2

reddot award
product design

Partners

THE ISRAEL EXPORT &
INTERNATIONAL COOPERATION INSTITUTE

רשות החדשנות
Israel Innovation
Authority

תעשיות בית-אל
זכרון יעקב בע"מ

AY ELECTRONICS

SAR-EL
GROUP

Hilton

FAIRSTEAD

THE PENINSULA
HOTELS

Chaim Sheba Medical Center at Tel Hashomer · Est. 1948 · The Hospital of Israel

LEXINGTON
PARTNERS LLC

SHELBOURNE

STANLEY
Healthcare

TRAVELERS

JLL

THE HARTFORD STEAM BOILER
INSPECTION AND INSURANCE CO.
1866

UBS

LAZ
PARKING

Carrier

Cigna

THE
HARTFORD

AXA

SILVERSTEIN
PROPERTIES

AARP

Construction
Institute

Because Breathing Shouldn't Require a Second Thought

Thank you

Aura

For more information:

infocascadiasport.com | (604) 461-5208