

The World's Smartest Air Management Platform



An all-in-one indoor air purification and quality intelligence system, Aura filters and disinfects indoor air through a unique 4 stage purification process while vigilantly monitoring its quality in real-time. When hazards are detected, Aura alerts you immediately, providing crucial intelligence as to the origin of the problem, solutions of how to rectify it, and alarms if immediate action or evacuation is required.

A Data-Driven Air Quality Platform Based on User Behavior Algorithm Through 3 Steps:

1

Detection

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.

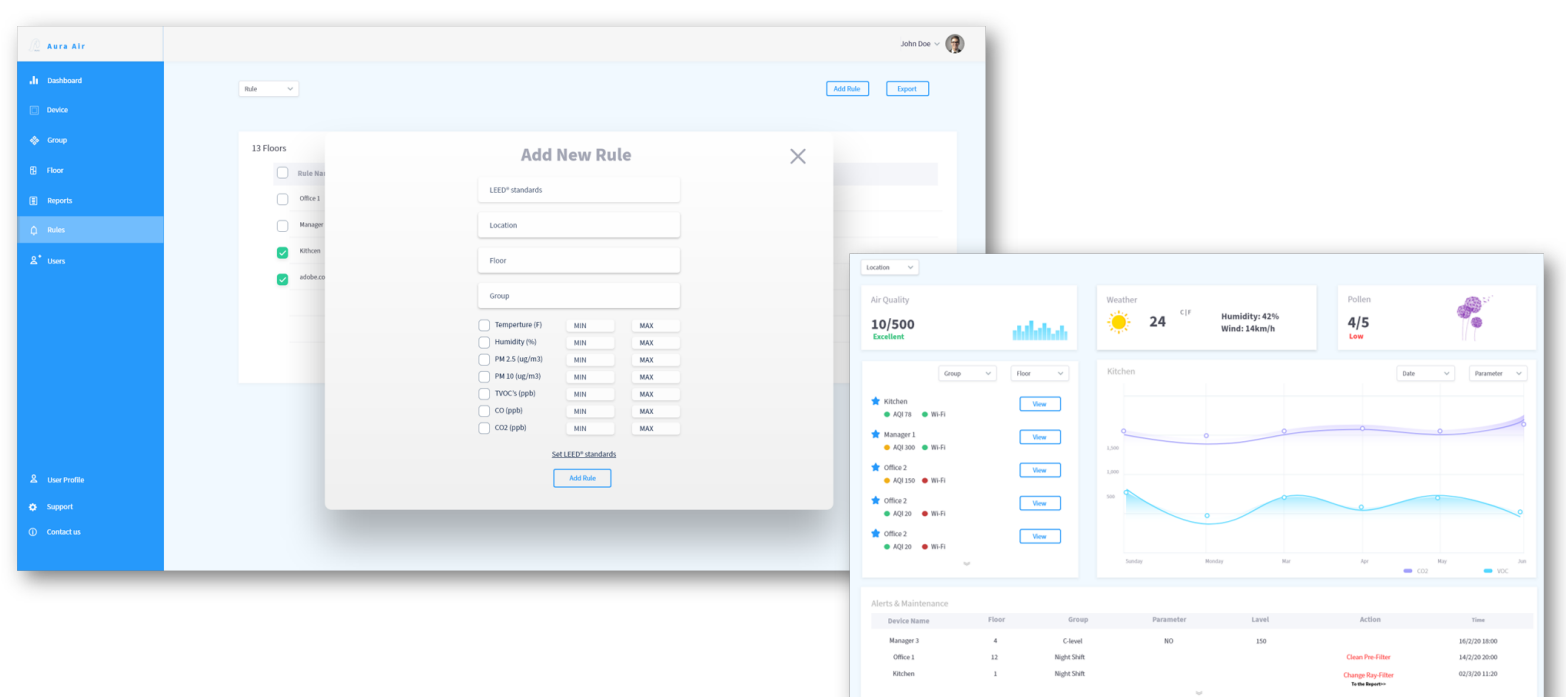
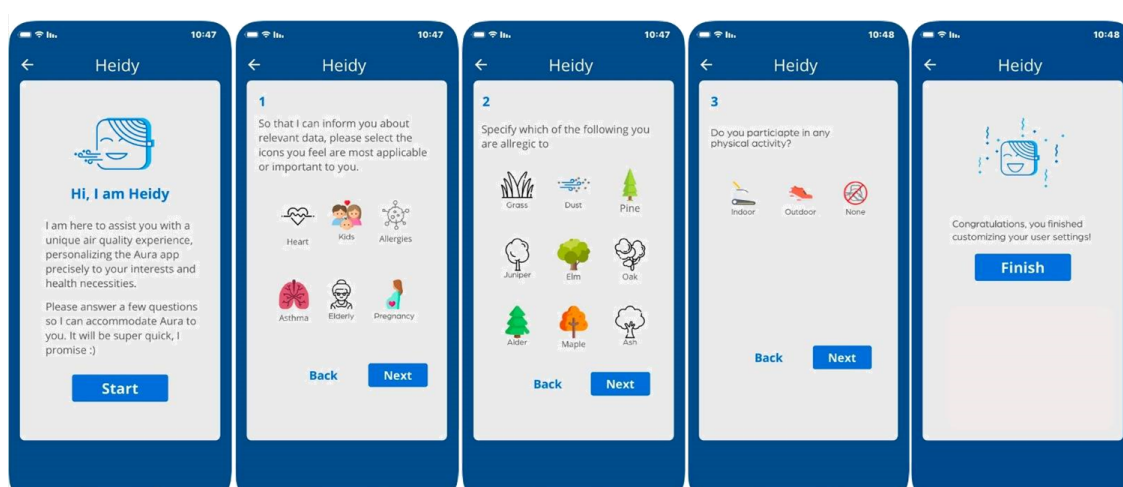
Outdoor:

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

2

Personalization

A unique air quality assistant that personalizes the Aura device precisely to the end-user needs and health necessities. After completing the questionnaire, the Aura device will take action and provide relevant recommendations, customizing the device based on the end-user personal profile.



3

Filtration & Disinfection

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.

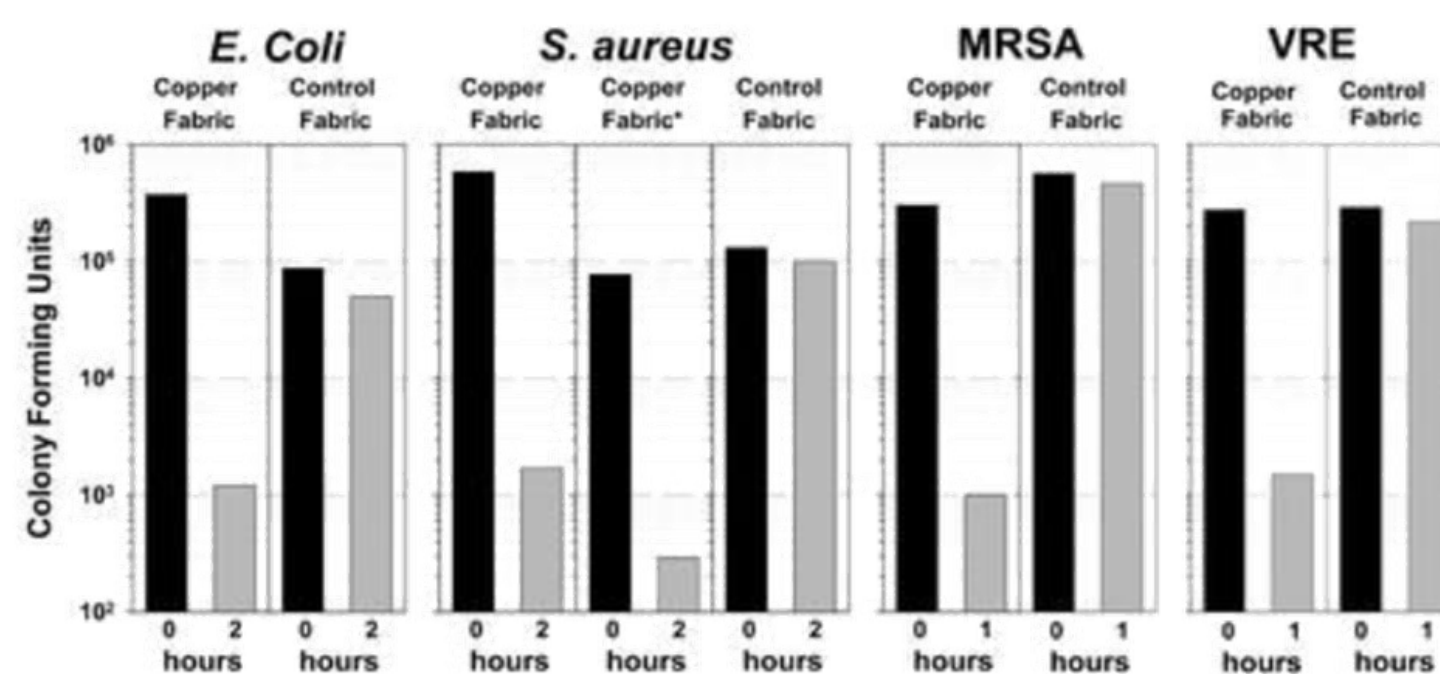
The Ray filter consists of three parts:

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 efficacy to decrease bacteria, mold and viruses:



UVC LEDs

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

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%



Corona-virus Clinical Trials:

Following the challenges we face with infections in hospitals, in the beginning of August 2019, Aura Air and The Department of General and Oncological Surgery at The Chaim Sheba Medical Center performed an experiment in the implementation of air purifiers for the purpose of disinfecting and purifying the air from various pollutants.

Nowadays, Sheba Medical Center has more than 100 COVID-19 patients that are currently hospitalized at various sites. Some patients require interventions such as dialysis, urgent surgery, or pregnant women who give birth when they are COVID-19 sick.

In previous experiments run by Aura Air, and in the pilot at Sheba, it was demonstrated that the filter made by the company successfully managed to filter a series of high-risk pathogens including various viruses, such as Influenza H1N1 and Influenza H5N1. In May 2020, the company began a clinical experiment to test the effectiveness of Aura Air's disinfection capabilities on the Coronavirus as part of our strategic, long-term, collaboration. This will enable the medical staff and team a safe and productive work environment, as well as, encourage a healthier hospital stay for patients.



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 The clinical trials results show the significant ability of test materials to reduce the concentration of the Coronavirus. Thus, we can recognize that the tested material has significant antiviral properties and reduces the likelihood of viral infection spreading.

	Sample	Coronavirus Reduction Ratio [%]
HEPA rep1		99.7243
SCF rep.1		99.9744
UVC LED rep.1		99.9631



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