

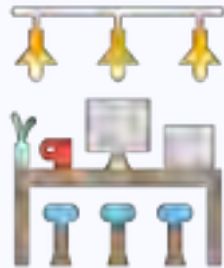
The World's Smartest Compact Air Quality Platform for the Hospitality Sector



Hotels



Commercial Property



Co-working spaces



USP's for the Hospitality Sector

- **Not just a HEPA filter, but a significant virus killer**
- Clients can monitor their own room on their phone
- CO and Fire detection & rapid location identification
- Compact and easy to install (cleans 50 sq m)
- Scalable App for monitoring an entire building
- Smart Filter will respond and provide feedback and actions based on each Client's Health profile



Hotels

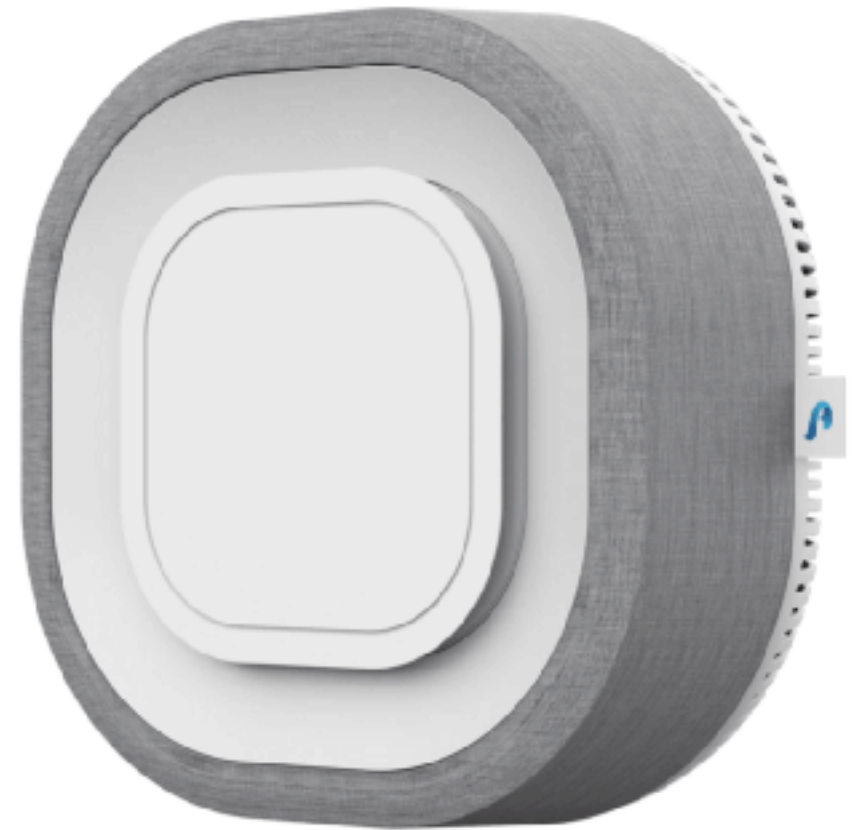


Co-working spaces

An Industrial strength Intelligent Air Quality Platform

with **4**

unique
capabilities...



1

Scalable
Monitoring
and Feedback
Dashboard

Smart insights at both a local and macro level

- Real-time monitoring & recording **across a Hotel or even a Group of Establishments**
- Customised insights and recommendations to Clients AND Management
- Improved energy efficiency by advising on ventilation ONLY when there is cleaner air outside!
- Integrated CO and early stage Smoke and **Fire Detection WITH rapid location identification**



2

Enhanced Filtering & Disinfection

Aura filters and substantially disinfects the air - with **TWO** additional and unique Patented processes for **EXTRA** protection ...

Pre filter:

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

The Patented **RAY Filter** consisting of three parts:

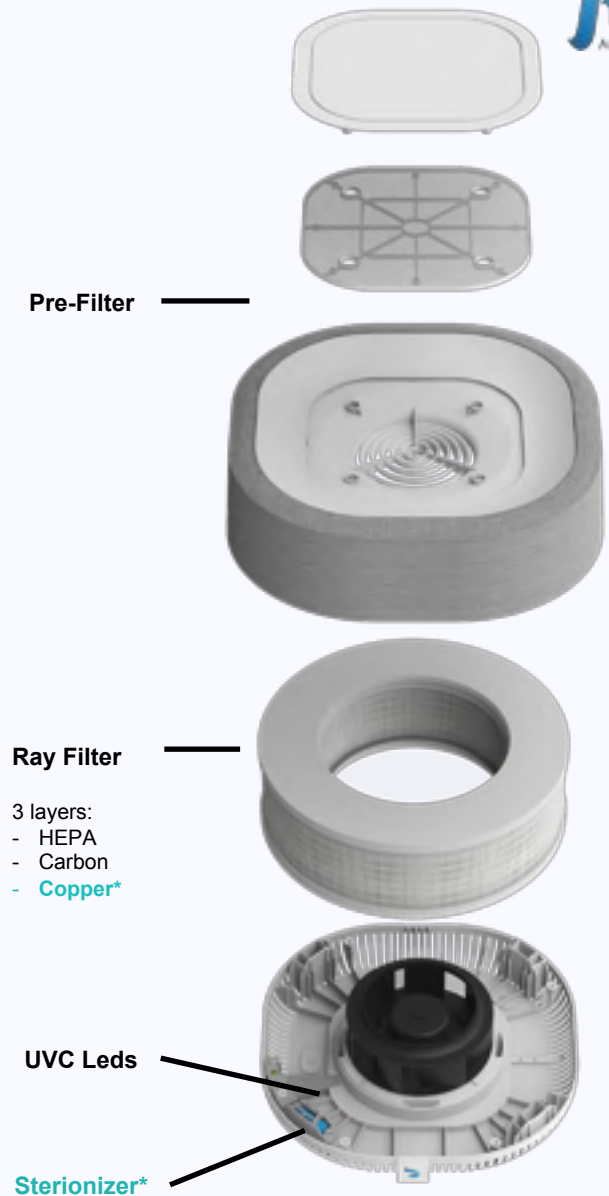
- HEPA - 99.98% effective particle filter down to 0.3 microns
- Carbon layer- absorbs VOC's and bad odors
- **Smart Copper Fabric** – impregnated copper that kills more than 99% of bacteria and 100% of mites & fungus*

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. A chemical reaction then occurs and oxidants break down the protein structure of pollutants and bacteria **killing 91-99% of Bacteria and Viruses.***

UVC LEDs

Short-wave ultraviolet light disrupts DNA base pairing causing formation of pyrimidine dimers and leads to the inactivation of most bacteria, viruses and protozoa.



* For test results see overleaf

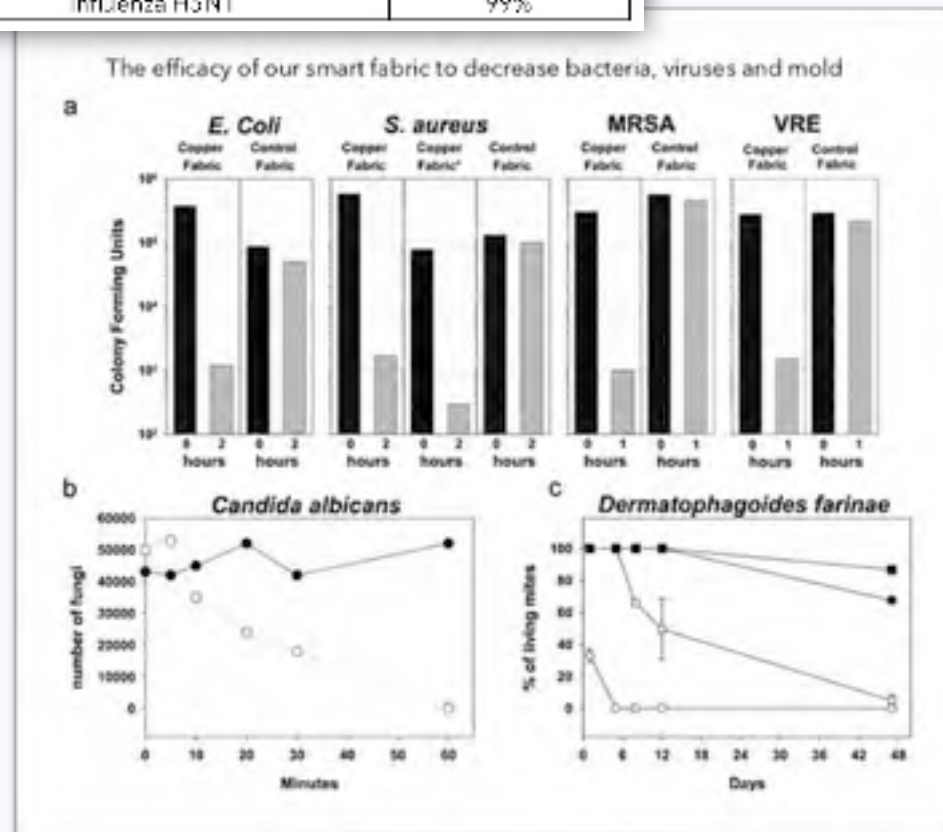


Enhanced
Filtering &
Disinfection

* Impregnated
Copper

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	Cladospirium cladosporioides	97%
Spores	Bacillus subtilis var Niger	89%
Viruses	Influenza H1N1	99%
	Influenza H5N1	99%

* Sterionizer



Aura monitors indoor air quality in real-time through an array of **high precision** sensors which is then compared to real-time Outdoor Conditions



High Precision Indoor Monitoring Linked to the Outside Conditions

Indoor

- ✓ Smoke
- ✓ CO
- ✓ CO2
- ✓ VOC
- ✓ PM 2.5
- ✓ PM 10
- ✓ Temperature
- ✓ Humidity
- ✓ LPG

Integrated Aura Air Sensors - Monitoring Accuracy		
Measured parameter	Range of measurement	Accuracy/Resolution
TVOC	0-2008 ppb	1 ppb
	2008-11110 ppb	6 ppb
	11110-60000 ppb	32 ppb
Equivalent CO ₂	400-1479 ppm	1 ppm
	1479-5144 ppm	3 ppm
	5144-17597 ppm	9 ppm
	17597-60000 ppm	31 ppm
Dust	0-500 µg/m ³	Min particle diameter 1µM
CO (carbon monoxide)	0-1000 ppm	1 ppm
Temperature	-40 °C to +125 °C	±0.2 °C/ ±32.36 °F
	-40 °F to 257 °F	
Humidity	0-100 % RH	±2%

Outdoor

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

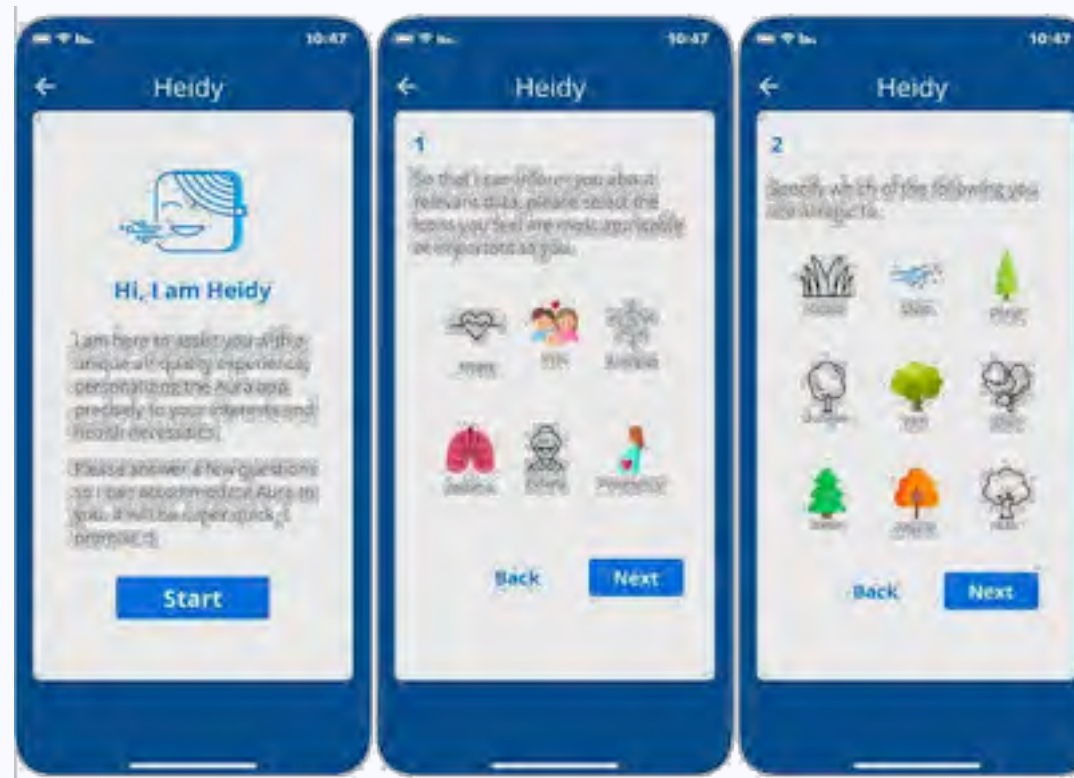


Linked to a leading 3rd Party API ...

4

Monitoring Personalisation & AI Feedback

A unique air quality assistant that personalises air quality data precisely to the Client's needs and health requirements. After completing the questionnaire, the App will respond by increasing the activity of the Filter if the Client is susceptible to specific allergies or conditions and also provide alerts on their phone, for instance if there is a high pollen count outside.



Specification

Air Exchanges Per Hour:

2.5

Voltage:

110-240V auto-switching Power
Supply

Format:

Wall or Ceiling Mount

Communication:

WiFi

Dimensions:

37.5 cm x 37.5 cm x 15 cm

Weight:

3.5 Kg

Max Noise level:

64 dB

Recommended Room Size:

55 m² to filter the room 2.5x per
hour



reddot award
product design

Thank you



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