
# Airilize

World's leading air purification technology

- ✓ Kills COVID-19
- ✓ Tested on live COVID-19 virus
- ✓ Kills other bacteria and pathogens
- ✓ Protects against all airborne transmissions

**Medair Tech®**

# IMPACT of COVID-19

Global – 24 July 2022

Coronavirus Cases:

**574,805,786**

view by country

Deaths:

**6,402,605**

Recovered:

**544,384,142**

Australia

| Total cases | Deaths |
| --- | --- |
| 9.1M | 11,172 |
| +38,046 | +38 |

Victoria recorded the longest lockdown in the world reaching 262 days

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# What was the cost of COVID-19?

- As at May 2021, the cost to Australian government was $251 billion. An additional $61 billion was budgeted for FY21-22. **Est. TOTAL $312 Billion** (according to Australian Treasury)

- The bulk of funding was allocated to economic recovery and financial support for impacted businesses

- Australian businesses lost billions in revenue particularly in the hospitality & construction sectors. In stark contrast the industrial sector flourished.

- Other indirect costs:
  - Public & private health sector
  - Mental health
  - Labor force disruption

# Known FACTS

- Transmissions continued to occur despite social distancing and stay at home orders. Why?

- Breakouts occurred predominantly in enclosed spaces. The most impacted were
  - aged care homes
  - hospitality venues
  - offices
  - gyms and schools

- Transmission of COVID-19 from inhalation of virus in the air can occur at distances greater than six feet (EPA Environmental Protection Agency, US.)

- Particles from an infected person can remain airborne for hours (CDC – Centre for Disease Control and Protection)

# What is the current solution?

- Prevent airborne transmissions. Masks & social distancing
- To date, businesses and government have resorted to using air cleaners with HEPA filters
- HEPA filters are expensive and require regular replacement as they saturate
- They are also ineffective against airborne pathogens meaning they are sometimes used in conjunction with a UV system.

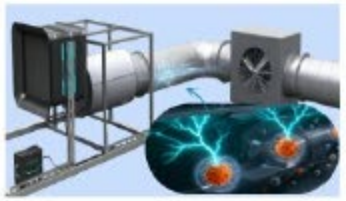
# The BREAKTHROUGH Solution – Medair ZAPOD

- Medair was created for the sole purpose of finding a solution to prevent airborne transmissions of the COVID-19 virus & all other airborne pathogens, **NOT JUST ALLERGENS**.
- A small group of scientists and engineers worked to create the Zapod, a ground breaking technological advancement in air purification devices
- While mainstream air filters rely on a filtration process to reduce chances of viral transmissions, Zapod's function is to destroy airborne viruses (as well as bacteria and other pathogens).
- Laboratory test reports show that Zapod is effective in killing COVID-19 virus in the air, as well as Staphylococcus albus and other natural bacteria & viruses.

# Core Technology of ZAPOD

## The best solution to ensure indoor air safety

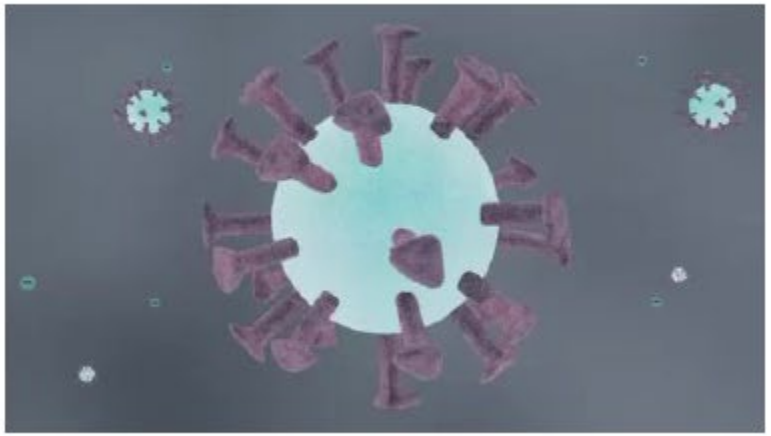
Full of germs and viruses after few years



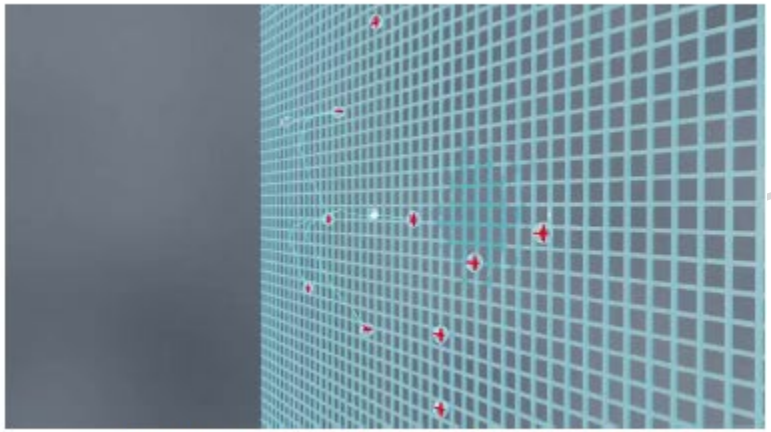
ZAPOD can remove the germs and viruses from the ducted system by the patent technology

**Capture** → **Kill** → **Safe Air**

- Patented negative ions charging and discharging systems that destroy the DNA structure of any virus/bacteria in aerosols and particles
- Generates super high concentrated negative ions with zero ozone.



Charging Stage Simulation



Discharging Stage Simulation

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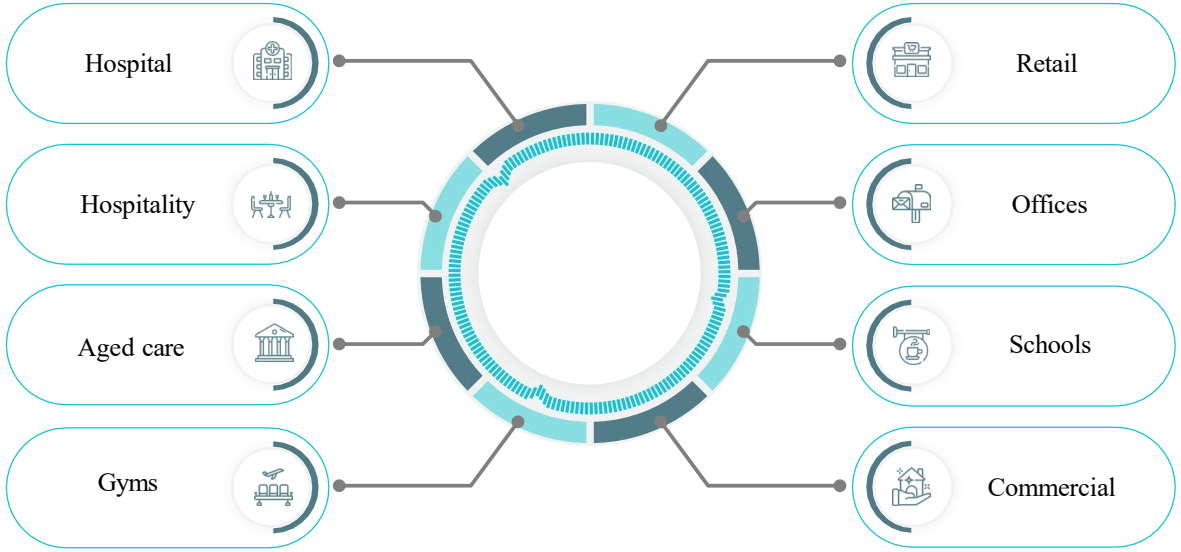
# Solution

Zapod addresses needs that impact all kinds of indoor environments and businesses, including but not limited to hospitals, workplaces, restaurants, public institutions, airports, small shops, post offices, cafes and households.





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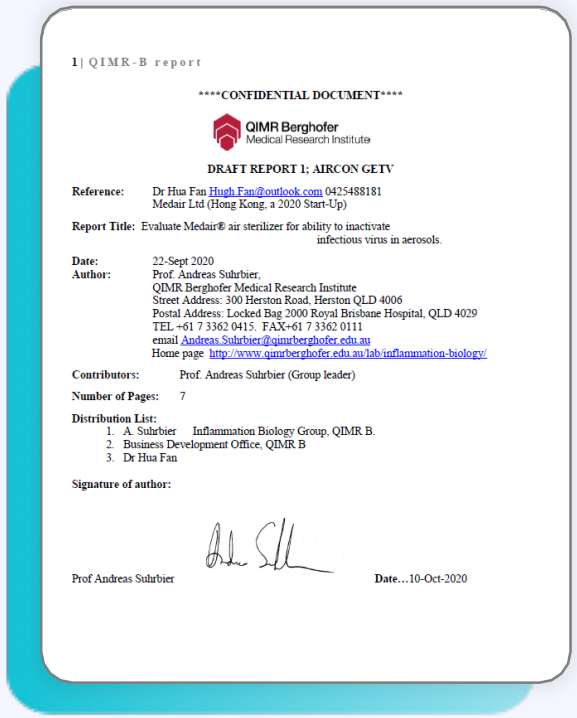

1| QIMR-B report

****CONFIDENTIAL DOCUMENT****

QIMR Berghofer Medical Research Institute

**DRAFT REPORT 1; AIRCON GETV**

**Reference:** Dr Hua Fan Hugh.Fan@outlook.com 0425488181
Medair Ltd (Hong Kong, a 2020 Start-Up)

**Report Title:** Evaluate Medair® air sterilizer for ability to inactivate infectious virus in aerosols.

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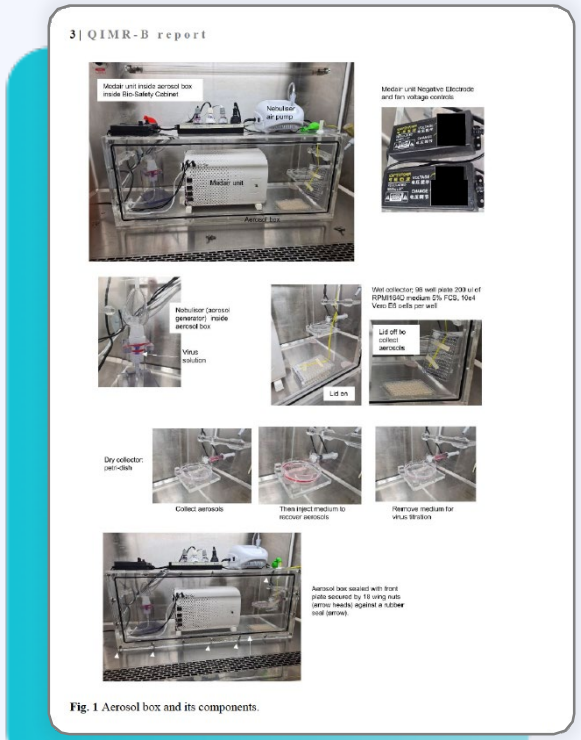

3| QIMR-B report

**Fig. 1** Aerosol box and its components.

# Validated Effectiveness

P3 Lab in Australia

> “The wet collection experiments illustrated that 2 mins of running the unit was adequate to remove all infectious virus from the air to below the level of detection”

**P3 Lab in Australia**

from P3 Laboratory at Independent public research institution

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# About QIMR

The QIMR Berghofer is an Australian medical research institute located in Herston, Brisbane. QIMR was established in 1945 by the Government of Queensland through the enactment of the Queensland Institute of Medical Research Act 1945.

QIMR Berghofer is a world-leading translational research institute focused on cancer, infectious diseases, mental health and chronic disorders.

Highest level of clearance (P3) to test live COVID-19 virus.

QIMR scientists developed two new drugs to both prevent SARS-CoV-2 infection, and also treat people who have been exposed to the virus so they do not develop severe disease (May, 2021)