

#AIREVOLUTION

Introducing



TADIRAN AIROW 3™



TADIRAN AIROW 3™



INNOVATIVE TECHNOLOGY

That Ensures the Indoor Air is Clean and Safe

Tadiran AIROW is a simple plug and play purification technology that is installed inside any air High Wall conditioning system, it produces **Hydrogen Peroxide** (H₂O₂) to effectively neutralize pathogens in indoor spaces.



TADIRAN AIROW 3™

has been proven to eliminate viruses, SARS-CoV-2 surrogate and bacteria at up to

99.994%

Tested in **FDA-cleared laboratory**

¹ TADIRAN AIROW 3 reduced detected Virus MS2 bacteriophage (known as SARS-CoV-2 surrogate) and detected Bacteria Staphylococcus epidermidis aerosol levels by 99.994% within 1 hour (1 cubic meter test chamber).

WHAT IS Hydrogen Peroxide?



Hydrogen Peroxide is a common antiseptic, oxidizing and bleaching agent, known to be a non-selective cleanser that effectively reduces microbial contaminants. Hydrogen Peroxide's properties have made it a popular choice for use in common household products such as toothpaste and even used for sterilization in medical and surgical procedures for more than 100 years.

Hydrogen Peroxide is a **SAFE**, highly effective, nontoxic air disinfectant when used at appropriate levels according to OSHA's² standard.

Leveraging water (H₂O) & Oxygen (O₂) molecules naturally present in the air, Tadiran AIROW converts them to <15 ppb of Hydrogen Peroxide (H₂O₂) spread into the air.

Tadiran AIROW is a **SAFE** and efficient air purification solution which produces very low concentration of Hydrogen Peroxide (> 66 times lower than OSHA's recommendation of 1,000 PPB) that still can achieve > 99.99% reduction of airborne pathogens.

[Download Hydrogen Peroxide white paper →](#)

² OSHA STANDERS: The legal airborne permissible exposure limit (PEL) is 1,000 ppb averaged over an 8-hour work shift. Health Guidelines for Hydrogen Peroxide, US Dept. of Labor, Occupational Safety & Health Administration, OSHA - <https://www.osha.gov/>

WHY USE **Hydrogen Peroxide?**



**Highly effective in neutralizing
Viruses, bacteria & molds**



Safe to use in any size space



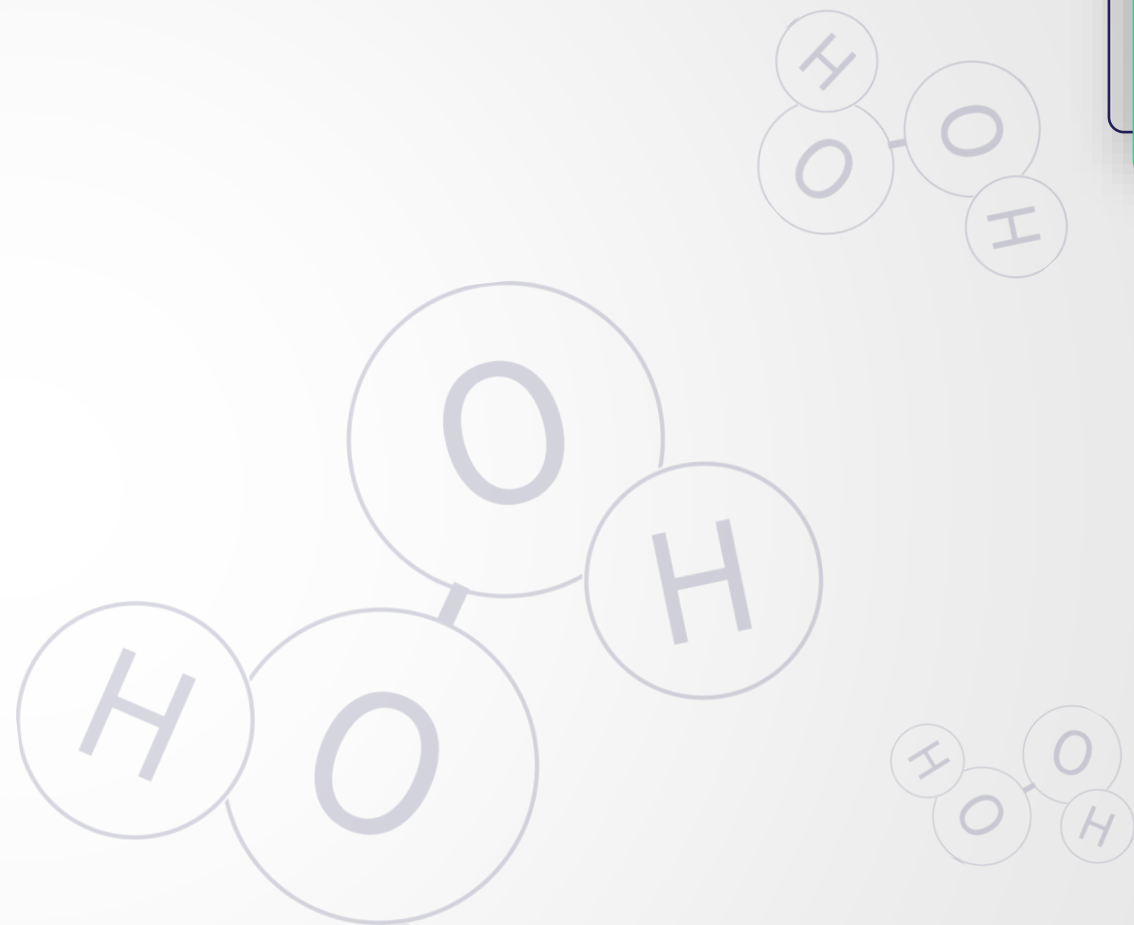
**Purifies large spaces &
reaches inaccessible areas**



Has a long-lasting effect
up to 24 hours after the unit is turned off

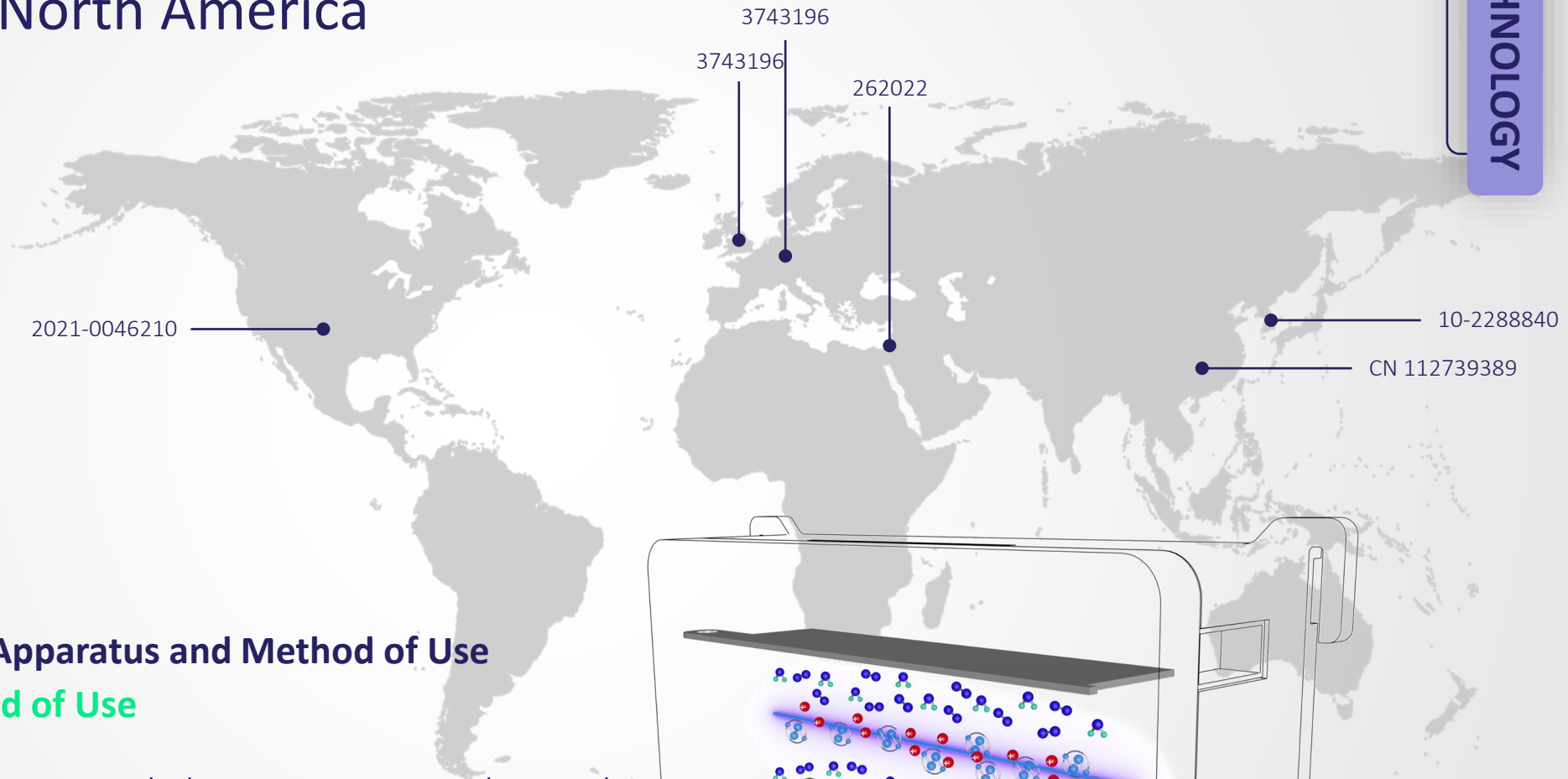


**Doesn't produce any toxic
byproducts during the activity**



A RECOGNIZED PATENT

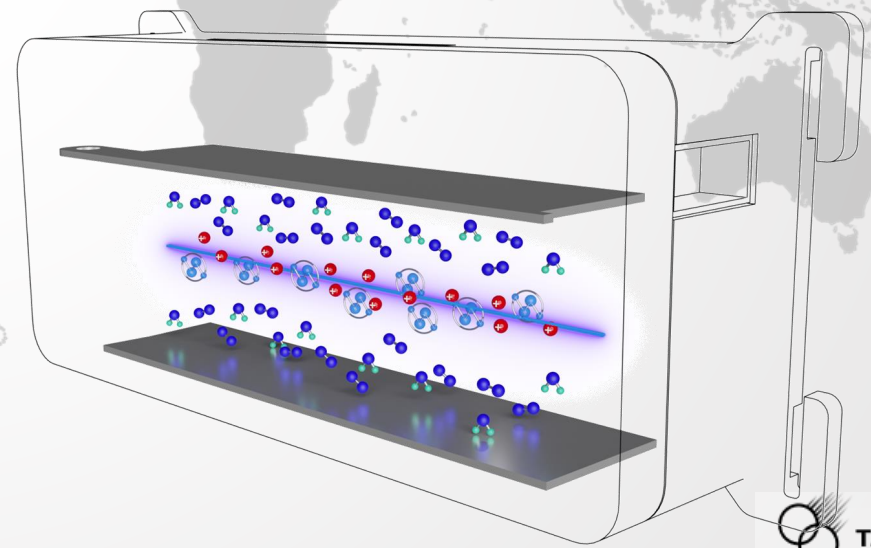
Globally and in North America



Air Disinfection Apparatus and Method of Use Patented Method of Use

Produces Hydrogen Peroxide by generating an electrical discharge without releasing any ions into the air.

[Download Our Patents](#) →



WHY ARE WE SAFE?



Global Standard

TADIRAN AIROW Produces Hydrogen Peroxide In Amounts Far Below The OSHA Approved Limit

According to OSHA³: “The legal airborne permissible exposure limit (PEL) is 1,000 ppb averaged over an 8-hour work shift.”

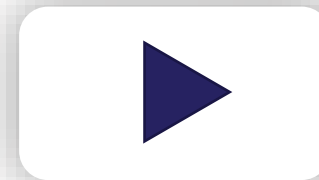
TADIRAN AIROW creates less than 15 ppb, significantly lower than the permissible amount.

³ Health Guidelines for Hydrogen Peroxide, US Dept. of Labor, Occupational Safety & Health Administration, OSHA - <https://www.osha.gov/>

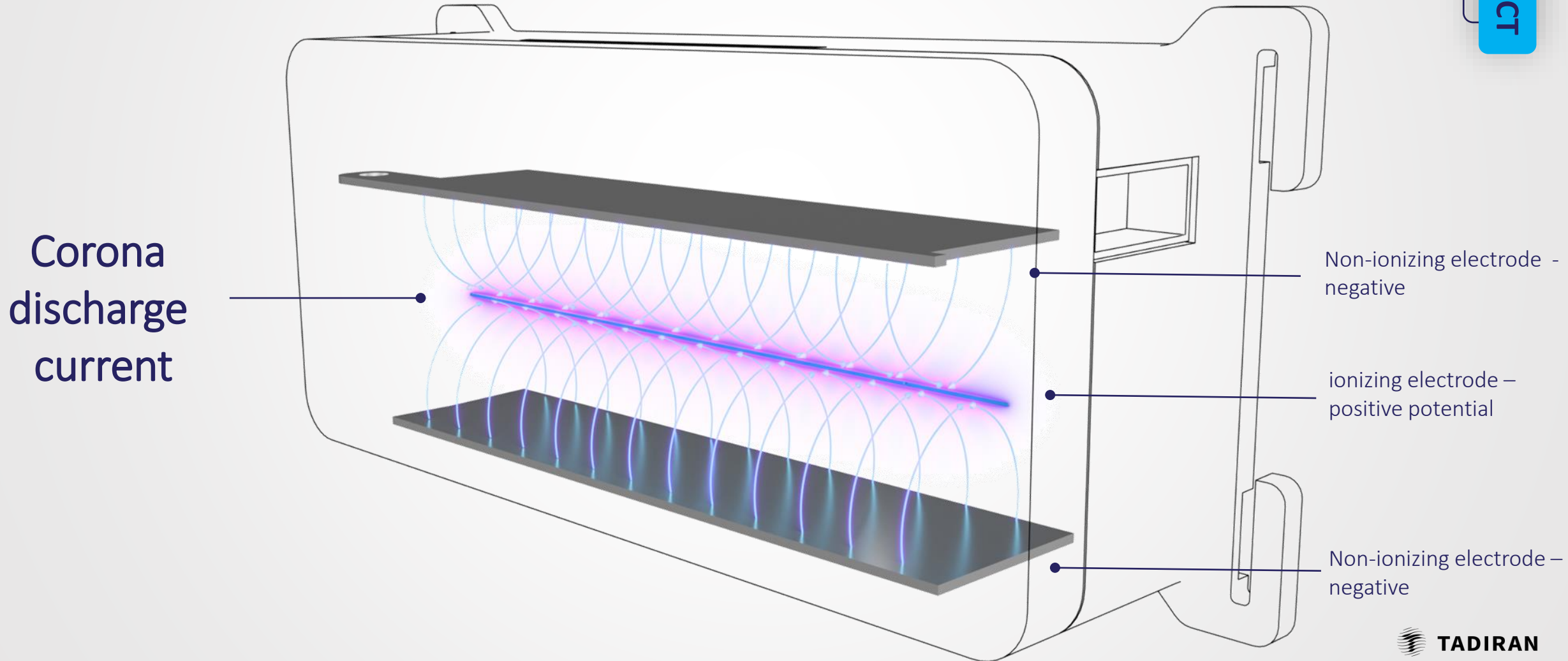
HOW IT WORKS

Take an inside look at the **Tadiran AIROW 3™**
Purification Technology:

- 1** | **O₂ and H₂O are streamed through the electrical discharge zone**
- 2** | **O₂ is separated into two Oxygen radicals that combine with the H₂O molecules in the airflow – transforming it into Hydrogen Peroxide (H₂O₂)**
- 3** | **Hydrogen Peroxide (H₂O₂) is released into the air of the conditioned space**
- 4** | **Once Hydrogen Peroxide (H₂O₂) encounters COVID or other viruses, bacteria, viruses or mold it inactivates and oxidized these into harmless byproducts**

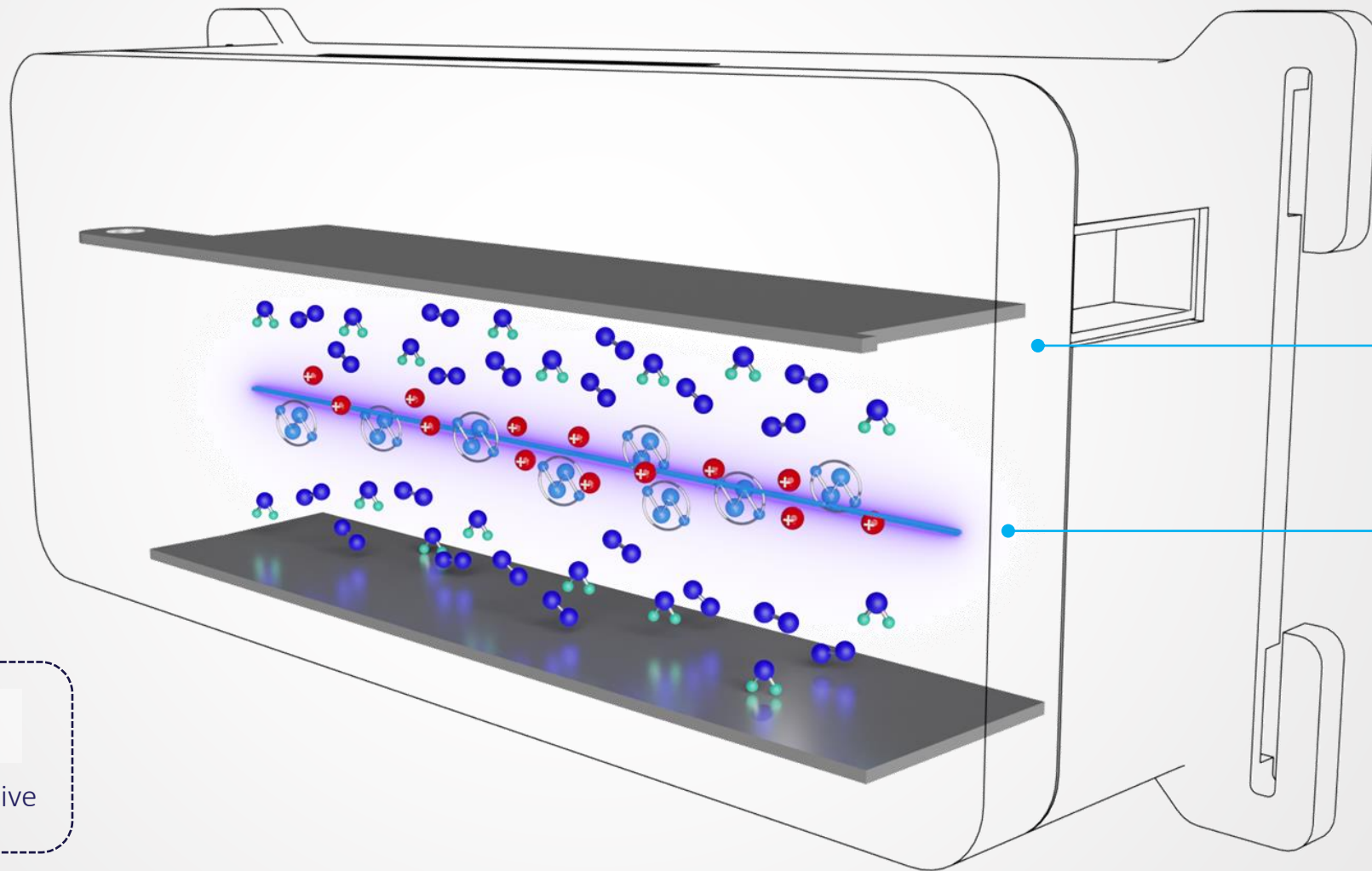


FORMING THE DISCHARGE CURRENT



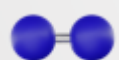
HOW H₂O₂ IS CREATED

O₂ is separated into two Oxygen radicals that combine with the H₂O molecules in the airflow – transforming it into Hydrogen Peroxide (H₂O₂)



Screen

Corona discharge current



O₂



H₂O₂

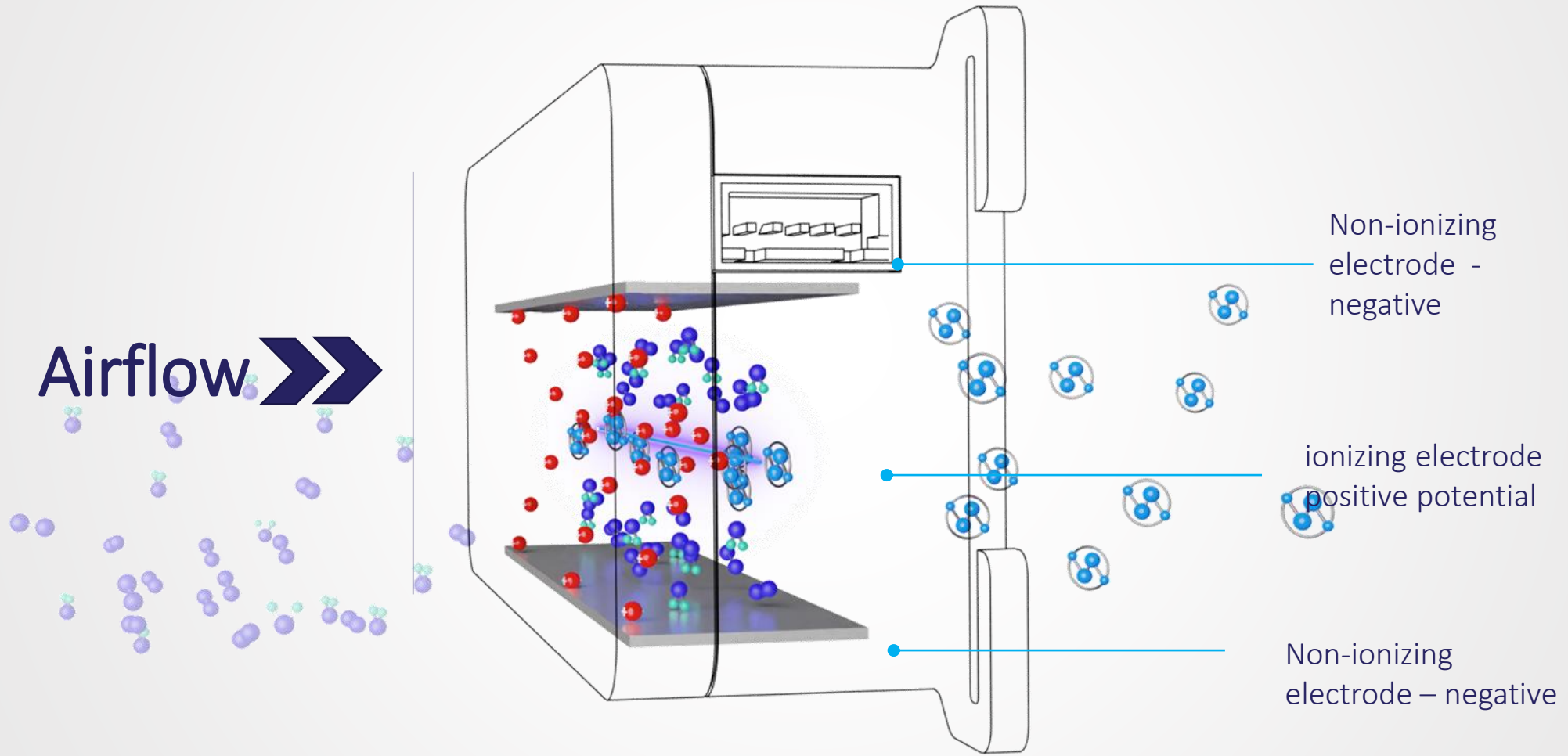


H₂O



Positive Ion

ION TRAP



Positively charged ions are attracted to negatively charged screens

WHAT IT OFFERS?



TADIRAN AIROW 3™ BENEFITS

- A** | **Function & Features**
- B** | **Certified & Validated**
- C** | **Proven By Test Results**
- D** | **Live Successful Tests**

THE PRODUCT



FUNCTION & FEATURES



Eradicator of Bioaerosols - Eliminates Bacteria and Viruses including Sars-Cov-2 surrogate by up to 99.994%



Built-in monitoring circuit - for operation indication/BMS integration capability



Zero Maintenance



Long-lasting effect – continues to purify the air up to 24 hours after the unit is turned off



Plug & Play - easy to install in any ducted AC system⁴



Vast Functionality – applicable anywhere: from residential, to schools, new construction, hospitality, and senior living



Low Electricity Usage - consumption of 1W



Low TCO- zero expenses on maintenance and part replacement

⁶ Only qualified and licensed HVAC technicians may install this device.



TADIRAN AIROW 3™

THE VALUE

THE SOLUTION THAT IS BOTH EFFICTIVE AND SAFE

SAFE

- ✓ Low levels of Hydrogen Peroxide
- ✓ Ozone Free
- ✓ NO IONS

EFFICIENT

- ✓ Eliminates testes pathogens by up to 99.994%
- ✓ Proactive and long-lasting effect
- ✓ Covers large spaces & treats inaccessible spaces

ECONOMICAL

- ✓ Value for money
- ✓ Lower total cost of ownership
- ✓ Zero Maintenance
- ✓ Low energy usage



Zero Maintenance



H2O2
Proactive Technology



< 5 ppb tested



Highly Effective Against
Biological Pathogens



Low Energy Usage



Global Patents



Plug & Play



VOC Emission safe

ALSO AVAILABLE

TADIRAN AIROW 1 FOR DUCTED AC



Thank you.



TADIRAN AIROW

Join our #AIROWEVOLUTION
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