

well  air

 NOVAERUS Air Disinfection Systems

Distributed by: **Avante** | Health Solutions

Visit avantehs.com/air for more info
800.979.1694 • cleanair@avantehs.com



Medical-grade portable air dis-infection for
acute healthcare settings.



History

Founded in Ireland in 2008
Established in US in 2017
Offices in Dublin, Ireland
Stamford, CT USA



Customers

400+ schools
500+ hospitals
700+ rescue vehicles
300+ senior living facilities
30+ other healthcare (dialysis, hospice, memory care)



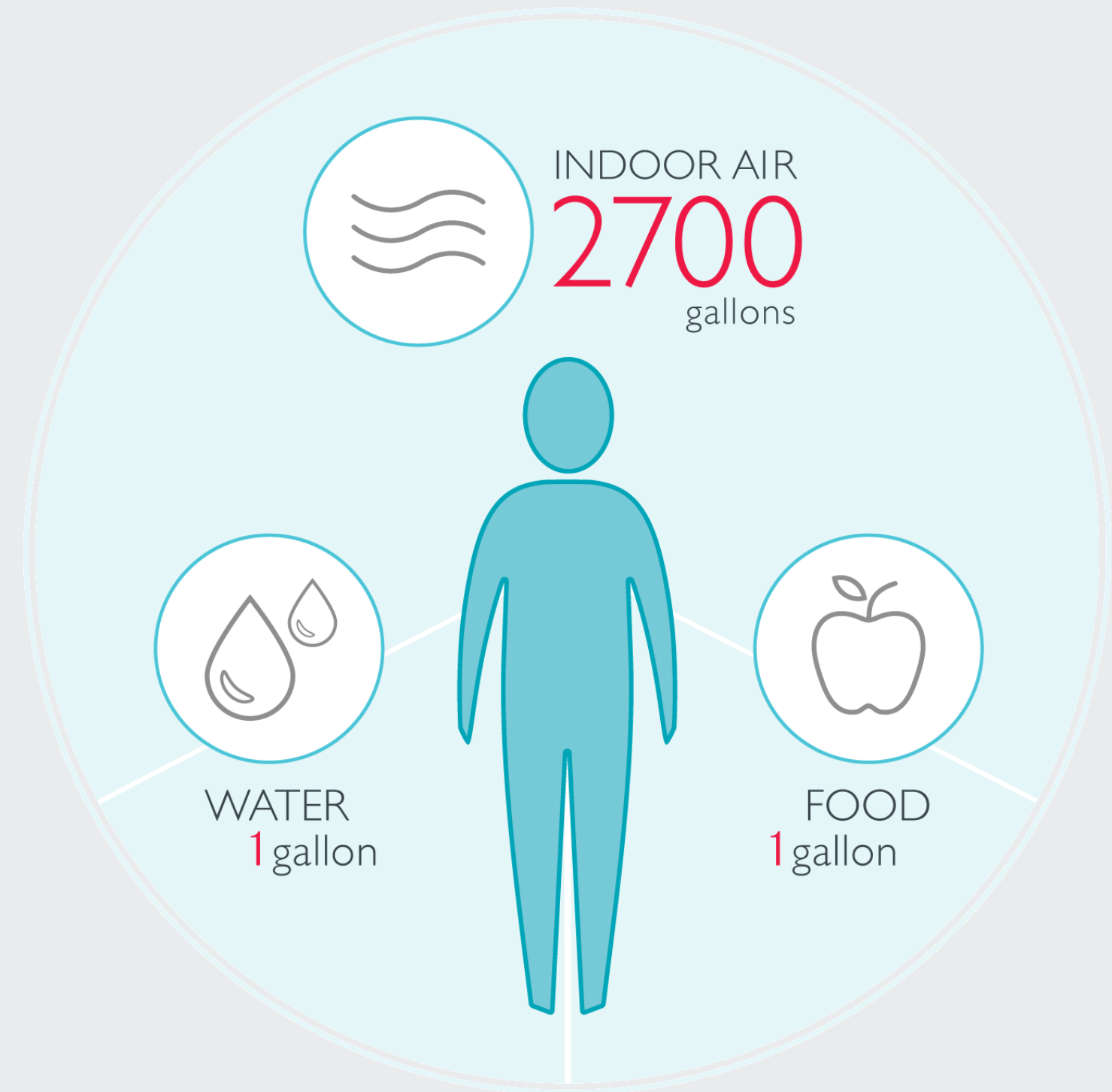
Distribution

55+ countries

Why Indoor Air Matters

People spend 90% of time indoors inhaling up to 2700 gallons of air.

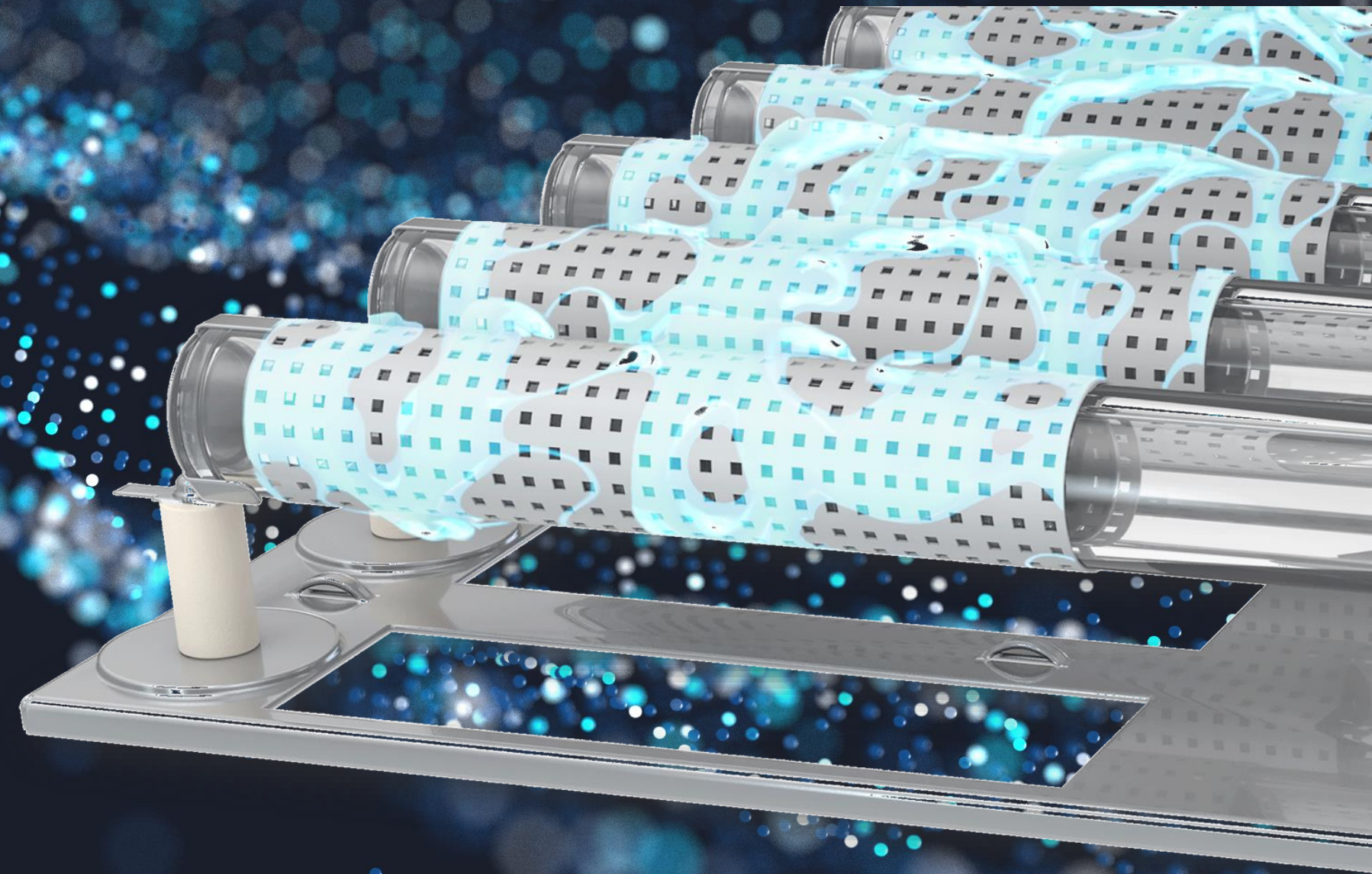
Indoor air is 10 times more contaminated than outdoor air.



NanoStrike[®] technology

First Line of Protection Against Airborne Viruses and Bacteria

NanoStrike[®] is a plasma-based nanotechnology designed to kill all airborne microorganisms on contact.



NanoStrike Technology – The only air dis-infection technology that bursts a pathogen cell

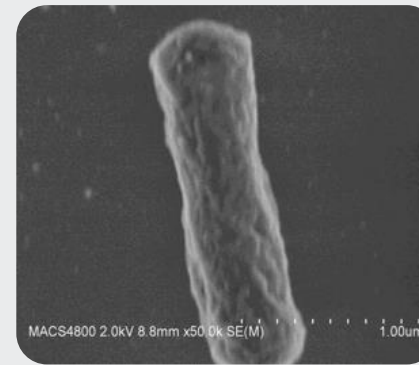
What makes NanoStrike Technology truly exceptional is that it is only solution other than antibiotics that can burst a pathogen cell. This means that there is no way for a pathogen to “self-heal”, by repairing¹ its DNA and/or Protein.

This ensures a Pathogen cannot become viable as an infectious agent once again.

“The Novaerus Plasma technology rapidly inactivates the DNA in pathogens”

“Concrete evidence of the effect of plasma on airborne bacteria; strong chemical and structural changes are observed.”

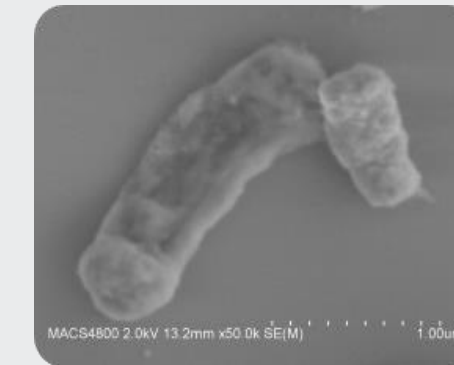
- Dr. Ram Prasad Gandhiraman, Research Scientist,
NASA



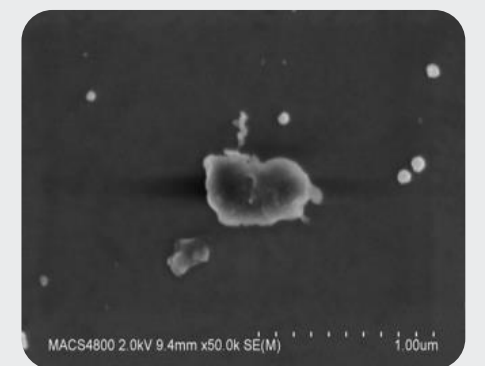
‘Healthy’ E.coli
Bacteria
prior to exposure



Ozone at 350,000
ppb after
2 Hours

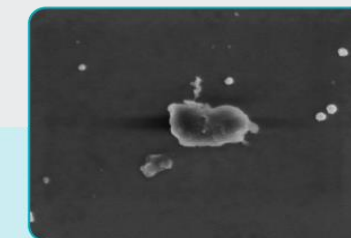


Autoclave at 160°C
after
2 Hours



Novaerus Plasma
after
0.002 Seconds

De-activate and BURST Pathogen



NanoStrike
technology

NanoStrike is truly unique in that it is the only solution, other than antibiotics, to burst the pathogen cell.

Once the cell has burst, there is no way it can self-heal by repairing its protein and DNA.

De-activate Pathogen ONLY



Other Technologies

UVGI

AUTOCLAVE

IONIZATION

OZONE

PCO

CHEMICAL MISTING

Portable Air Disinfection

DEFEND 1050



Six ultra low-energy plasma coils combined with a three-stage filter system and five-speed fan. Free-standing unit ideal for rapid remediation in large, high-risk spaces.

PROTECT 900



Two ultra low-energy plasma coils combined with a two-speed fan. Mounted on the wall or a stand, unit is ideal for continuous infection control, odor mitigation, and IAQ maintenance in medium spaces.

PROTECT 200



One ultra low-energy plasma coil combined with single-speed fan. Wall mounted or tabletop unit ideal for continuous infection control, odor mitigation, and IAQ maintenance in small spaces.

Safety & Compliance

- Listed / Certified by Underwriters Laboratories (UL) or Intertek-Nationally Recognized Test Laboratories (NRTL) approved by OSHA.
- Tested and certified to UL 867 for Electrical and Ozone Safety and to UL 1995 for Electrical Safety.
- Manufacturing facilities are audited quarterly by UL/Intertek to ensure to ensure product safety and integrity.
- Compliant with California Air Resource Board



Registered with EPA

Filed our FDA 510K 1/2020



wellair

- Company No. 91478
- Establishment No. 91478-NC-1
- Novaerus was successfully audited by EPA in October 2017



UL 867 & UL1995
Classified as plenum rated per UL 2043
Intertek-Certified



NanoStrike Technology – Lowest Total Cost of Ownership (TCO)

Utilizes ultra-low energy – requiring less power than a light bulb.

No need to replace expensive components during operating life – unlike every other competitive technology.

No need for cleaning of components to maintain consistent performance.

No need for expensive PPE (e.g. goggles, masks, gloves, aprons etc.) to protect service personnel from biohazard risks during cleaning and servicing.

No disposal costs for biohazard materials.

True plug and play with no installation, calibration, set up or training costs.

“The Iceberg Principle” Calculation Total Cost of Ownership (TCO)

Purchase Price
20%

Product Price

Hidden Costs
80%

Installation
Cost

Training &
Education Cost

Delivery
Cost

Cleaning
Cost

Replacement
Cost

Disposal
Cost

Consumables &
Parts Costs

EH&S
Cost

Warranty
Cost

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