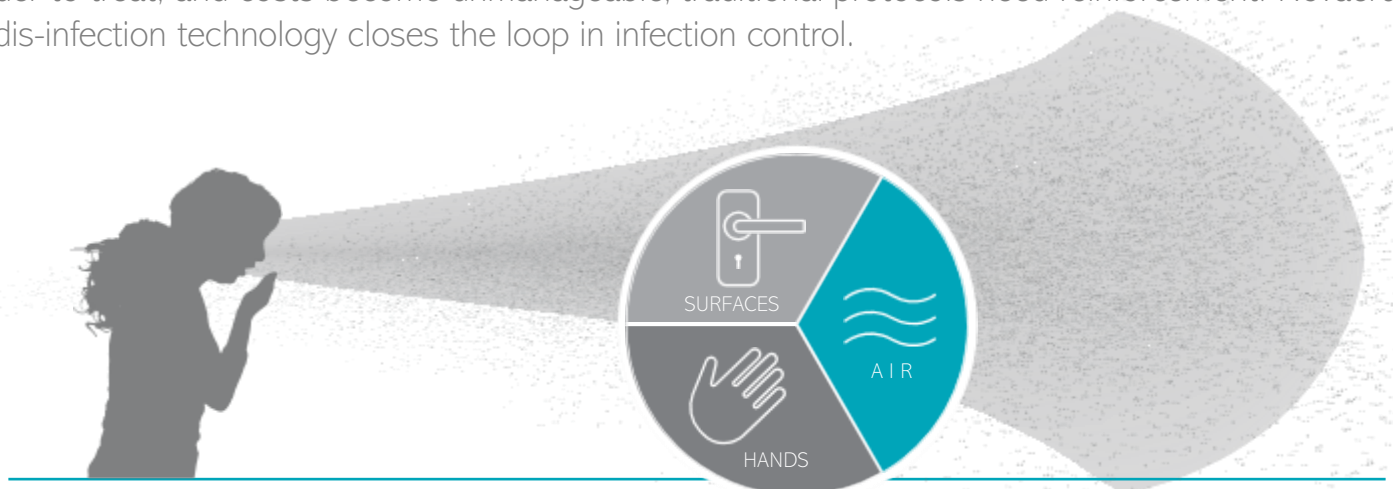


24/7 Clean Air Technology



Cleaner Air Means Cleaner Hands and Surfaces

Hand hygiene and surface disinfection have long been the international gold standard for infection control in healthcare environments. But as our hospitals become more crowded, infections become harder to treat, and costs become unmanageable, traditional protocols need reinforcement. Novaerus air disinfection technology closes the loop in infection control.



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The First Line of Protection Against Airborne Viruses and Bacteria

NanoStrike is the core, patented technology that powers all Novaerus portable air dis-infection devices. Our plasma-based nanotechnology kills all airborne microorganisms on contact providing the first line of protection against viruses and bacteria.

- Patented technology harnessing multiple pathogen inactivation processes in one powerful strike
- Kills and deactivates at the DNA level in a sub-second time frame
- Uniquely bursts the pathogen cell, preventing self-healing
- Multiple pathogen inactivation processes guarantee no future antimicrobial resistance can develop
- Lowest total cost of ownership of any air purification technology
- Powerful but gentle for 24/7 use around the most vulnerable of people
- Independently tested and proven

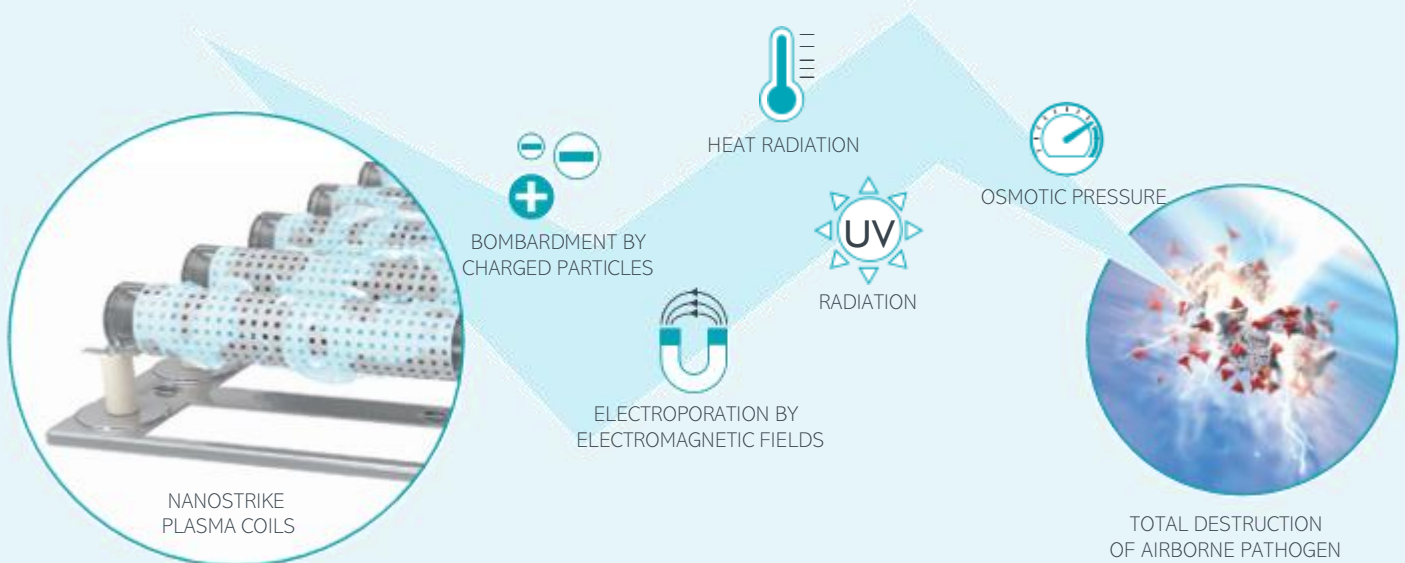


How NanoStrike Protects

Multiple Inactivation Processes in One Powerful Strike

Developed by the Novaerus team of scientists and engineers, NanoStrike utilizes an atmospheric plasma discharge — the same type of discharge found in lightning strikes — to kill and deactivate harmful airborne microorganisms.






NanoStrike plasma coils provide a deadly strike, made up of multiple concurrent processes, that work to rapidly destroy airborne pathogens.



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Independently Tested

Typ mikroorganismu	Název		Doba zneškodnění	Velikost prostoru	Model
VIRY 	SAR S - CoV-2 ₁	99.99%	15 mins	16m ³	
	Spalničky ₂	99.87%	20-30 mins	28.5m ³	NV1050
	Chřipka A	99.9%	10-20 mins	28.5m ³	NV1050
	Phi X 174	99.8%	30 mins	60m ³	NV1050
	SAR S - CoV-2 ₃	99.99%	5 hours	16m ³	NV800
	Norovirus ₄	99.99%	5 hours	16m ³	NV800
	Chřipka A ₅	99.99%	5 hours	16m ³	NV800
BAKTERIE 	Tuberkulóza ₆	97%	30 mins	30m ³	NV1050
	MRSA ₇	99.94%	15 mins	30m ³	NV1050
	Clostridium difficile výtrusy	99.9%	40 mins	28.5m ³	NV1050
	Staphylococcus epidermidis	99.9%	60 mins	60m ³	NV1050
	MRSA	86.63%	4 hours	1m ³	NV800
	Bacil senný	71.8%	6 hours	16m ³	NV800
	Escherichia coli	99.99%	5 mins	2.3m ³	NV200
PLÍSNĚ 	Aspergillus niger	99.10%	30 mins	16m ³	NV1050
	Aspergillus niger	99.49%	4 hours	16m ³	NV800
VOCs 	Nitrogen Dioxide	99.68%	7.2 mins	16m ³	NV1050
	Formaldehyde	99%	1.1 mins	16m ³	NV1050
	Toluene	99%	9.1 mins	19.72m ³	NV1050
PRACHOVÉ ČÁSTICE 	PM 1	99%	6.33 mins	19.72m ³	NV1050
	PM 2.5	99.99%	6.26 mins	19.72m ³	NV1050

1. Tested on MS2 Bacteriophage, a surrogate for SARS-CoV-2 (2020 - Efficacy of the Novaerus NV1050 device against Aerosolized MS2 Virus, Aerosol Research and Engineering Laboratories)
2. Tested on Human parainfluenza type 3 (HPIV3), a commonly used surrogate for Measles. (2019 – To assess the impact of an air purifier on Human parainfluenza virus Type 3, Airmid Healthgroup)
3. Tested on MS2 Bacteriophage, a surrogate for SARS-CoV-2 (2020 - Efficacy of the Novaerus NV1050 device against Aerosolized MS2 Virus, Aerosol Research and Engineering Laboratories)
4. Tested on MS2 Bacteriophage, a surrogate for Norovirus (Tested on MS2 Bacteriophage, a commonly used surrogate for Norovirus (2005 - Survival of viruses on fresh produce, using MS2 as a surrogate for Norovirus, Dawson DJ et al.)
5. Tested on MS2 Bacteriophage, a surrogate for Influenza (2010 – Evaluation of filters for the sampling and quantification of RNA Phage Aerosols, Louis Gendron et al.)
6. Tested on Mycobacterium smegmatis, a commonly used surrogate for Mycobacterium tuberculosis (2007 - Evaluation of Mycobacterium smegmatis as a possible surrogate screen for selecting molecules active against multi-drug resistant Mycobacterium tuberculosis, Chaturvedi V et al.)
7. Tested on Staphylococcus epidermidis, a commonly used surrogate for MRSA. (2011 – Aerosol survival of Staphylococcus epidermidis, Thompson KA et al.)

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Protect and Defend Your Patients and Staff

Protect

The Protect 200 and Protect 800 have been designed for continuous air dis-infection and odour control in small and medium indoor spaces. The Novaerus Protect range use NanoStrike technology with a two-speed or single-speed fan. Both units can be wall-mounted or placed on a counter-top and plug into any outlet. The Protect 800 can also be mounted on one of two specially designed stands for optimal air flow.

Applications

- Operating Theatres
- Nurses Station
- Examination Room
- Common Areas
- Reception Desk
- Small Shops
- Small Offices
- Cafes
- Hotels
- Lifts / Elevators



Defend

The Defend 1050 has been designed for rapid remediation in large spaces and situations with high risk of infection. The Novaerus Defend 1050 uses NanoStrike technology combined with a triple-stage Camfil® filter system to provide a combined solution for air dis-infection and particle removal. This free-standing unit can be wheeled easily to point of care and plugs into any outlet.

Applications

- Operating Theatres
- Intensive Care Units
- Emergency Rooms
- In Vitro Fertilization Labs
- Patient Wards
- Burn Units
- Hematology Units
- Kindergartens
- Schools
- Universities
- Large Shops
- Large Offices
- Canteens
- Senior Living Facilities



About Novaerus

Novaerus is part of WellAir, an Irish company on a mission to reduce indoor airborne pollutants to create living, working, and healing spaces that foster rather than detract from human health, productivity and wellbeing.

WellAir and its brands, Novaerus and Plasma Air, can be found installed in hundreds of hospitals, senior living facilities, schools, casinos, railway stations, residences, and industrial facilities in more than 40 countries around the world.

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