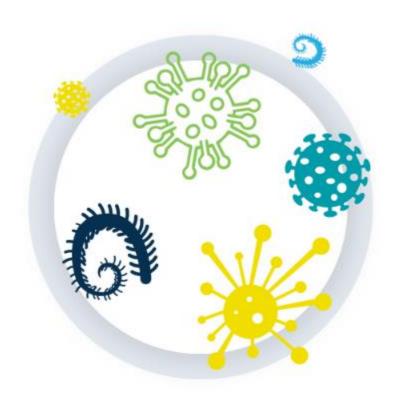


OUR DAILY COMPANIONS



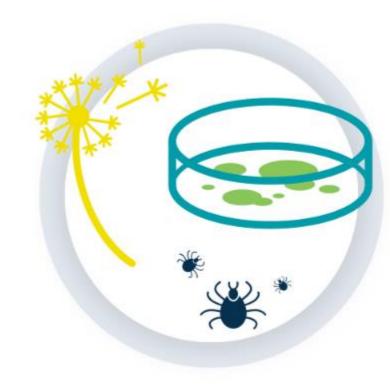
GERMS

Multiresistant germs and specific viruses are becoming more dangerous – most germs are mainly spread through airborne droplets.



ODORS

It's the one thing people notice first. The presence of putrid smells and odors can be quite disgusting.



ALLERGENS

Approximately 20% of all people are battling with allergies every day.



OTHER IRRITANTS

Volatile Compounds (VOCs) are harmful chemicals emitted from every day products..



CLEAN AIR

Nature shows us how.



NATURE EXPLAINED

THUNDERSTORMS

A large amount of ions are generated by an electrical discharge phenomenon

WATERFALLS





ION LEVELS IN NATURE

lons around us and

THEIR FEEL GOOD FACTOR

The proportion of lons is highest around moving water (storms, oceans, rivers, waterfalls) – that also explains why we feel so energized and refreshed at the ocean. The worst are found in windowless rooms and closed, moving vehicles. Higher concentrations of ions are essential for a positive mood, let us work more efficiently and feel more revitalized. Concentrations below 100 lons/cm3 can already lead to headaches, deficiencies in concentration and fatigue, leading to the Sick Building Syndrome.

50

Inside Buildings



Cities (Large)



Meadow



Mountains



Ocean



BREATHE EASY. WE GOT YOU COVERED.

No Chemicals. No Filters. No magic.

BIOCLIMATIC CLEANS INDOOR AIR THE WAY NATURE INTENDED.



YOUR BENEFITS IN A NUTSHELL

OUTTHINK THE STINK SAVE UP TO 20% ON **ENERGY** COSTS

REDUCE AIRBORNE PARTICLES & ALLERGENS

NO TOXIC WASTE

INCREASE PRODUCTIVITY

SAVE UP TO 25% ON OPERATIONS/ MAINTANANCE COSTS

FILTER HOLD ON TO THE PROBLEMS. BIOCLIMATIC SOLVES THEM

SYSTEM LONGEVITY NO FILTER

BREATHE

HEALTHIER

WORKSPACE SAVINGS

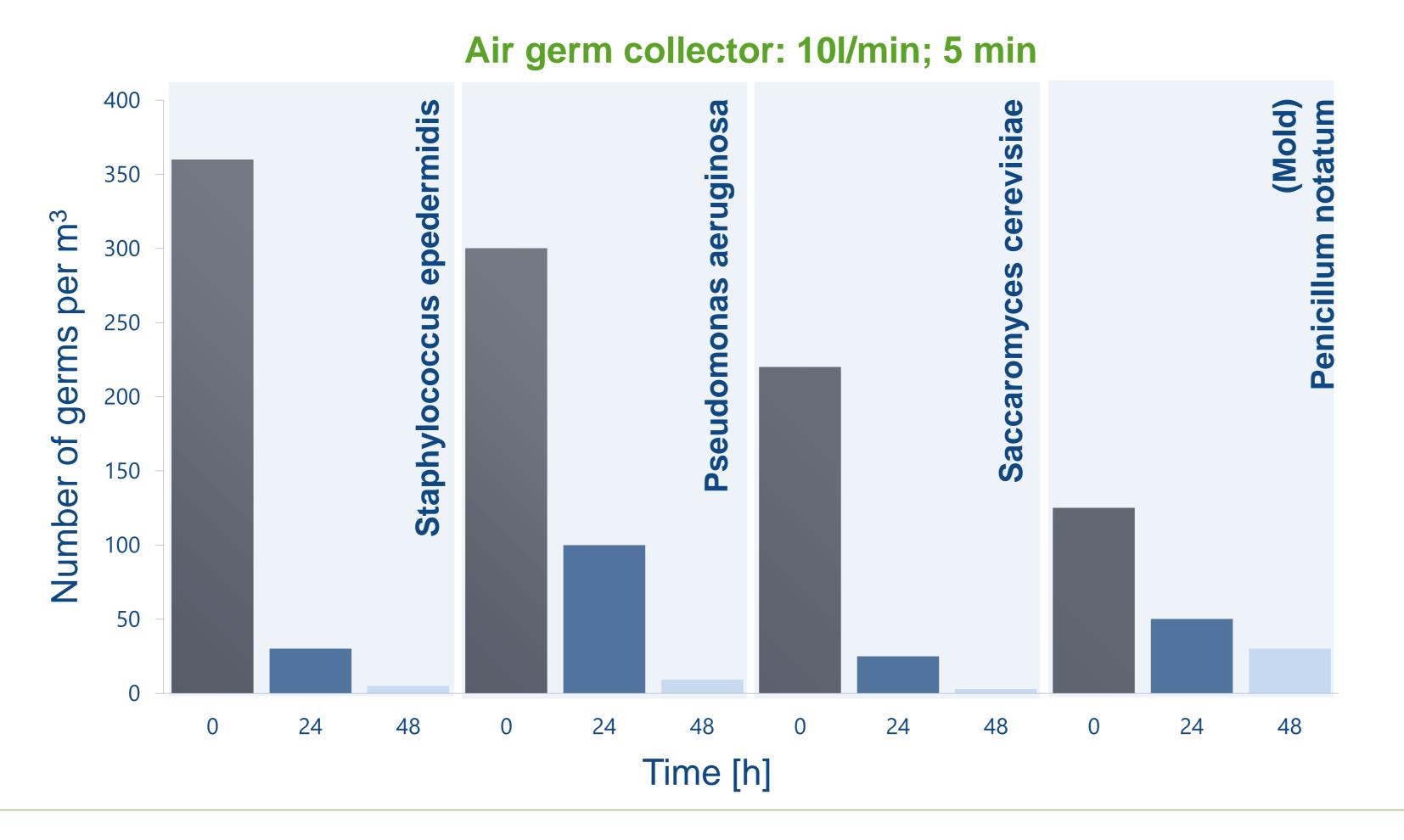




REDUCE ALLERGENS & AIRBORNE PARTICLES

Degradation Rate of certain

AIRBORNE PARTICLES





OUR DAILY COMPANIONS



Clarice Weis- Arns (PhD, Professor)
Laboratory of Virology
Institute of Biology/University of Campinas-UNICAMP
13083-862 Campinas- SP- Brazil
Email: arns@unicamp.br



July, 22th, 2020

To:
José Francisco Goulart
Suprimentos
+55 (11) 9 9904-8277
+55 (19) 3601-6660
www.icycold.com.br

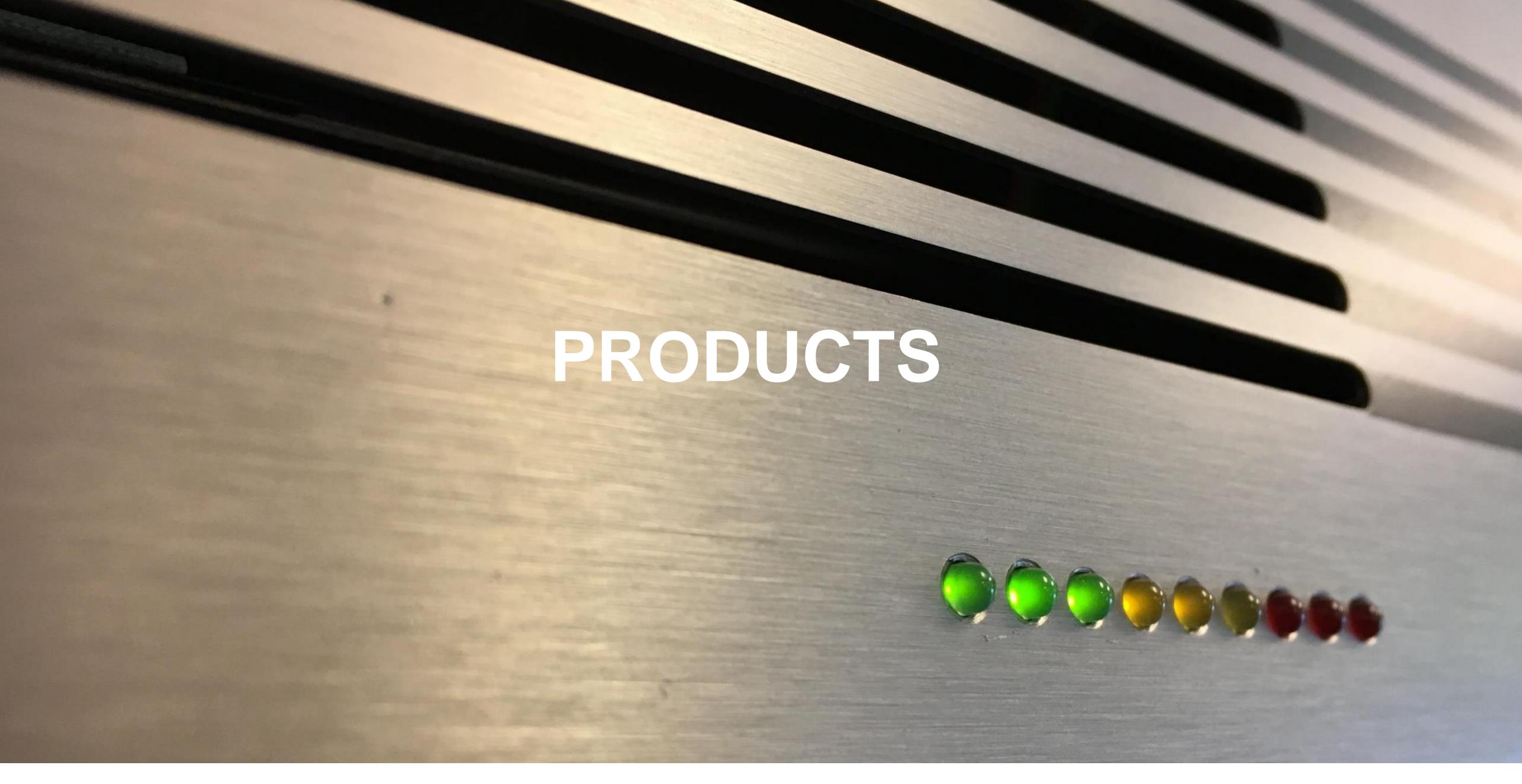
Virucide Report: Air Deco Pyramide Equipment,
Bipolar Ionization Technology by Bioclimatic GmbH, Germany.

5. Results:

Table 1 – Coronavirus (strain MHV-3), different contact times to the "Air Deco Pyramide Equipment"

Product	Time	Different positions of the plates in the Biosafety cabin	Coronavirus (strain MHV-3) Table 3*	Negative Control
Air Deco	10 minutes	L1	*99,999% (virucide)	Negative (no virus)
Pyramide	20 minutes	L2, L5	99,999% (virucide)	Negative (no virus)
	30 minutes	L3, L4	99,999% (virucide)	Negative (no virus)



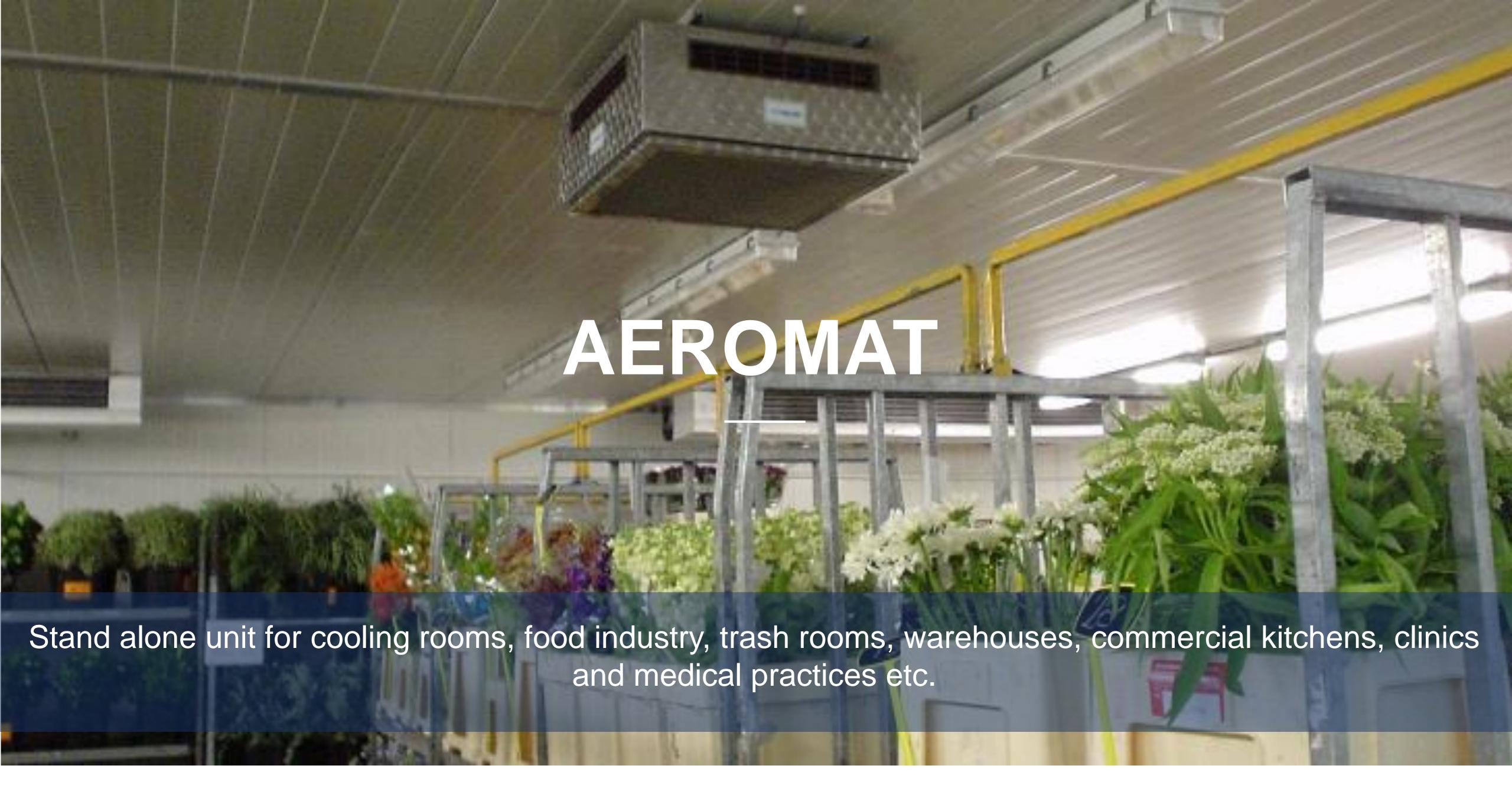






For air conditioning and ventilation systems, airports, food industry, hotels and restaurants, commercial kitchens, offices and administrations, clinics and medical practices, nursing homes, animal breeding and husbandry, private area etc.











AIR IONIZATION

Stand-alone Unit

AEROTEC

The units of the aerotec series are to be mounted alternatively to the ceiling or the wall permanently and are designed with stainless steel housing for continuous operation. The control of the units is either done by the integrated intensity controller on the surface of the unit or separately by means of a remote controller.

Professional Stand-alone Unit in odor heavy rooms



Versatile use with maintenance-friendly stainless steel housing

Optimal stand-alone device with use for various applications

Available with and without fan, integrated and external control possible

Precise optimization of room air hygiene

Low operating and maintenance costs









AIR IONIZATION

Air Cleaner Q

Air purification with a minimum of space – principle of operation for a new grid ceiling device (60 x 60 cm) For offices, meeting rooms, sales areas, sanitary facilities, etc.











REFERENCES

- Leibniz Universität Hannover
- State Opera House Hannover
- Frankfurt Airport
- Okada Manila Resort
- Apostels Yoghurt Production GmbH

•



Frankfurt Airport









Thank you for your attention!



