



CLEAN AIR MAKES THE DIFFERENCE

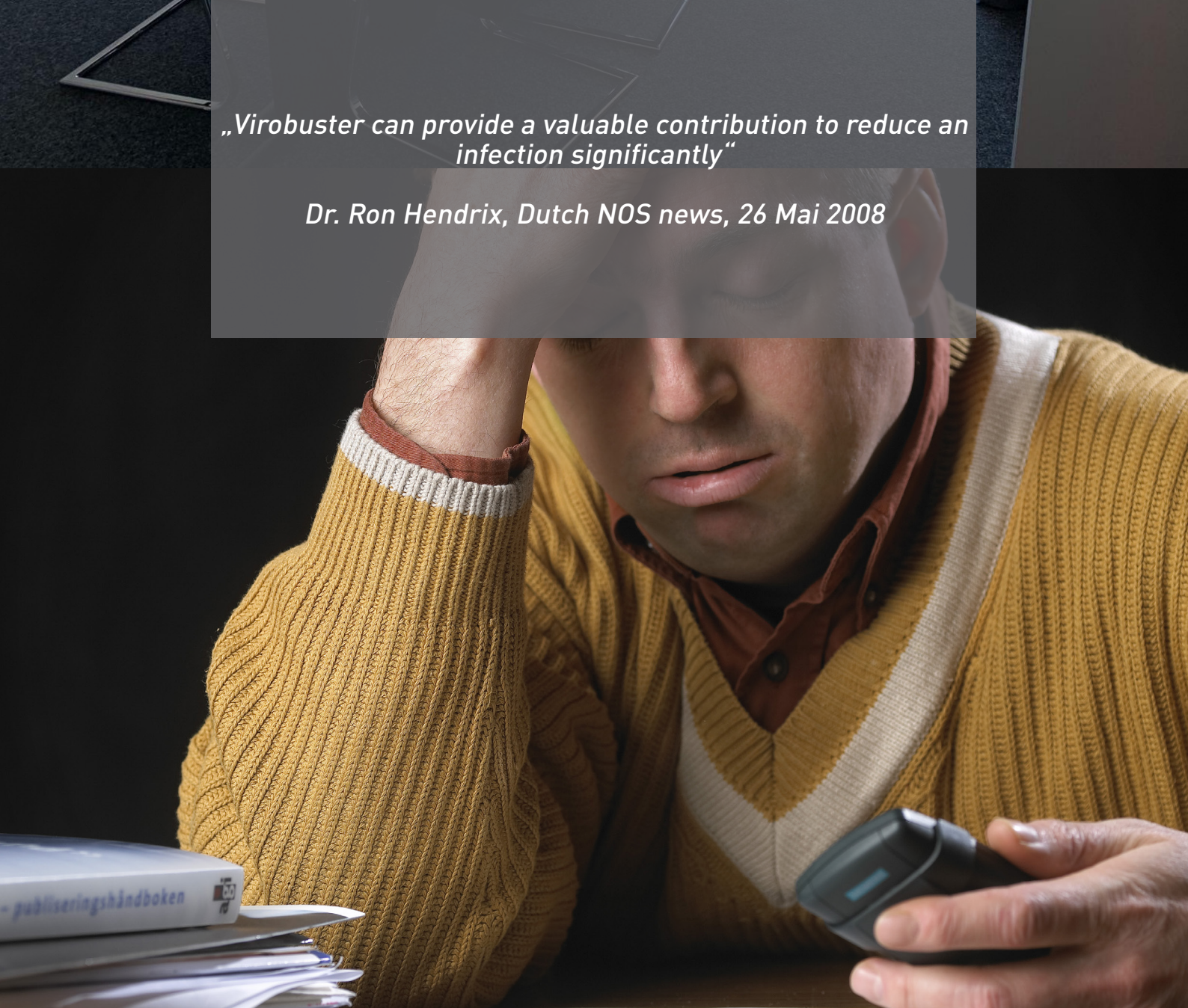
Building Solutions





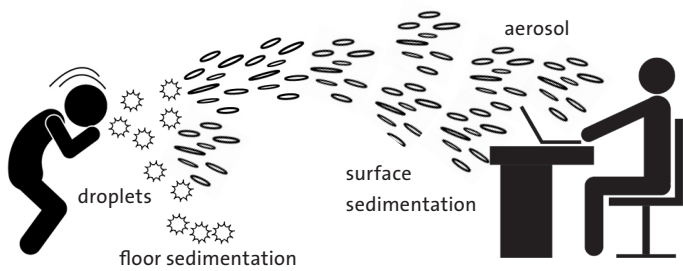
„Virobuster can provide a valuable contribution to reduce an infection significantly“

Dr. Ron Hendrix, Dutch NOS news, 26 Mai 2008

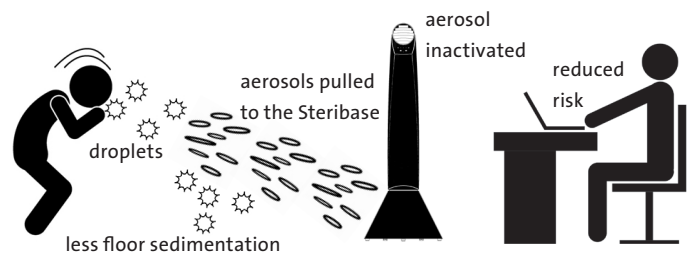
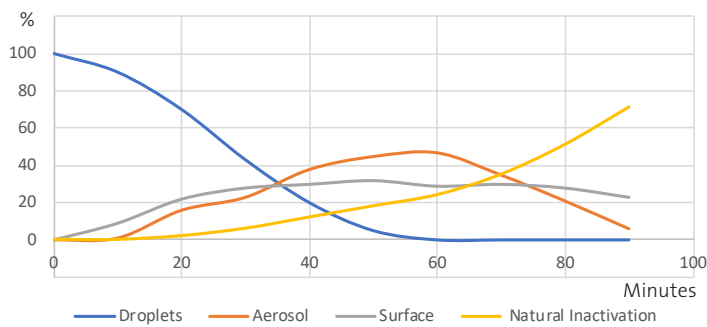


WHAT WILL YOU GET FROM CLEAN AIR

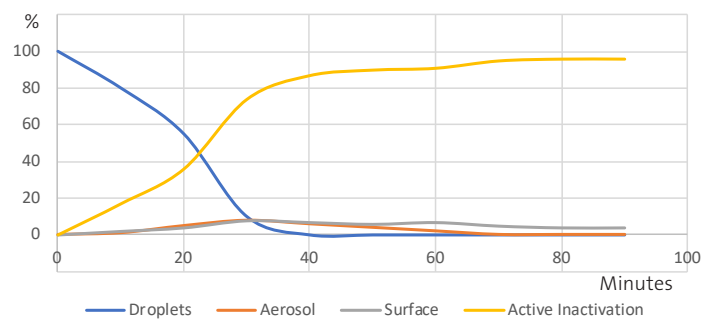
- > Reduced sick leave
- > Increased productivity
- > Reduced virus spread
- > Protection of staff & employees



Virus behaviour after a cough and natural inactivation



Virus behaviour after a cough and active inactivation





“The air is the only thing left dirty, and these opportunities give us a chance to also optimize these last aspects also”

Dr. Marc Eijnsink, - Dutch NOS news, 26 Mai 2008



REASONS TO CHOOSE VIROBUSTER

> SUSTAINABLE

Lasting reduction of micro organism in HVAV systems

> EFFICIENT

Eliminates more than 99 % of fungi, spores, bacteria and viruses

> EASY APPLICATION

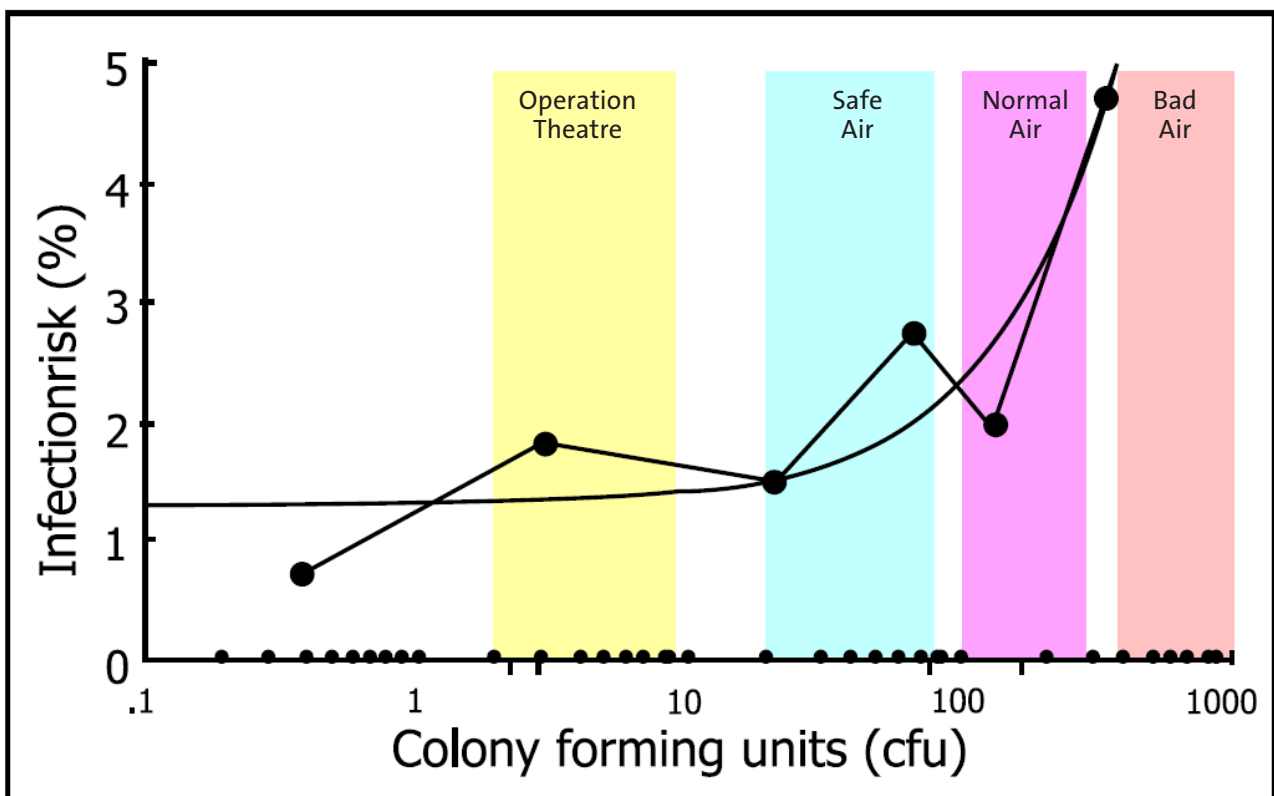
Modular and « Plug & play » solution

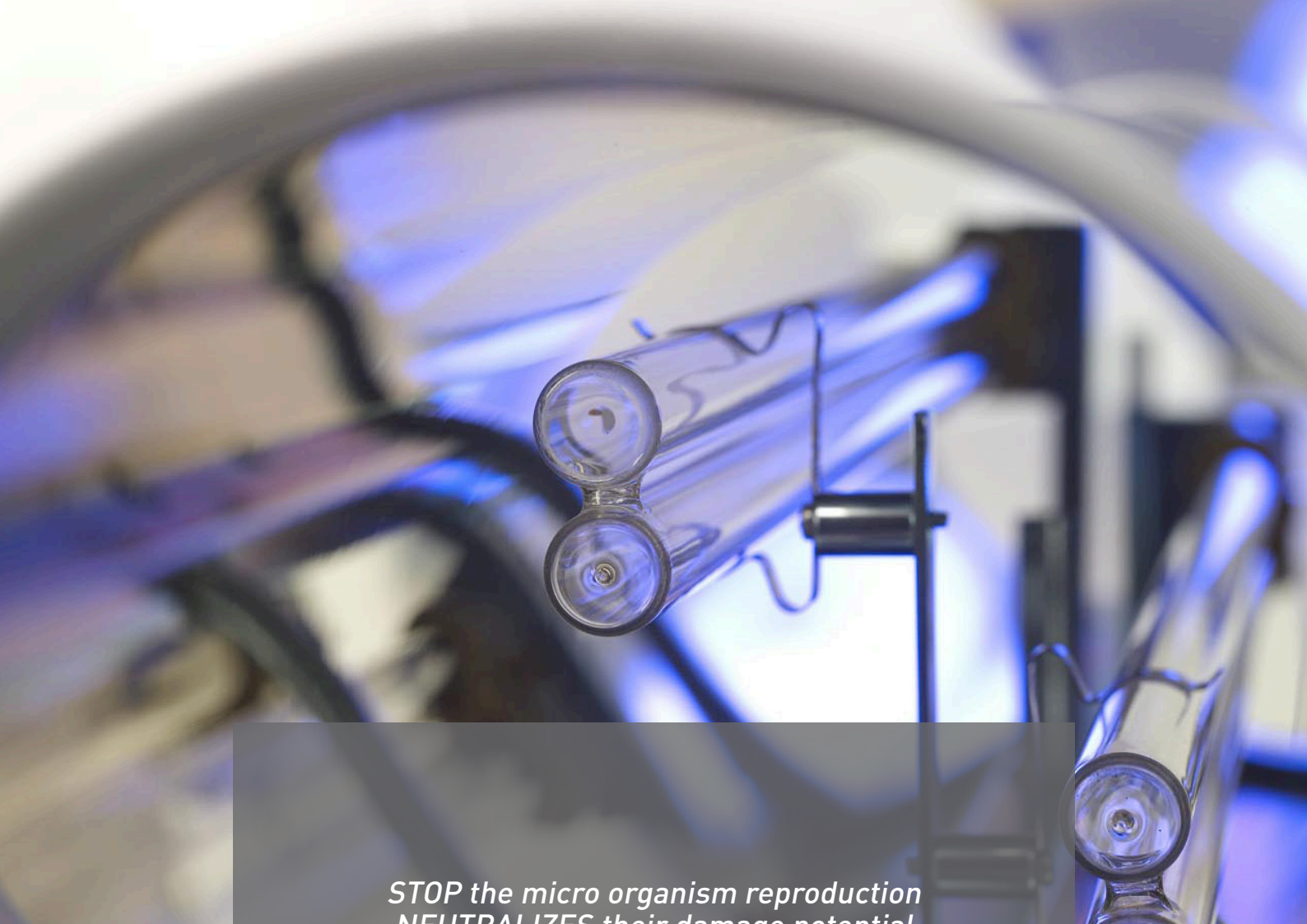
> ECOLOGICAL

No use of chemicals, no organic waste, no ozone production

> ECONOMIC BENEFIT

No need for customized manufacture and upgrading existing HVAC systems



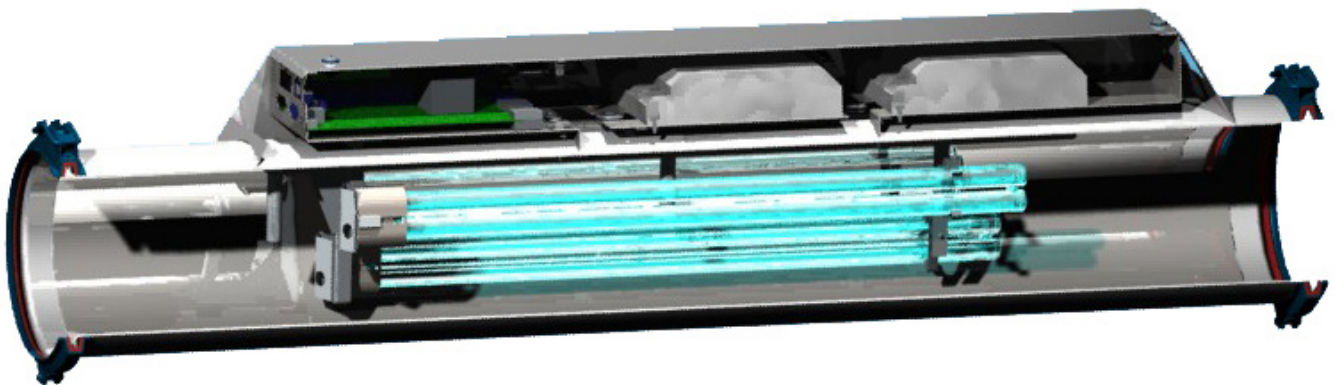


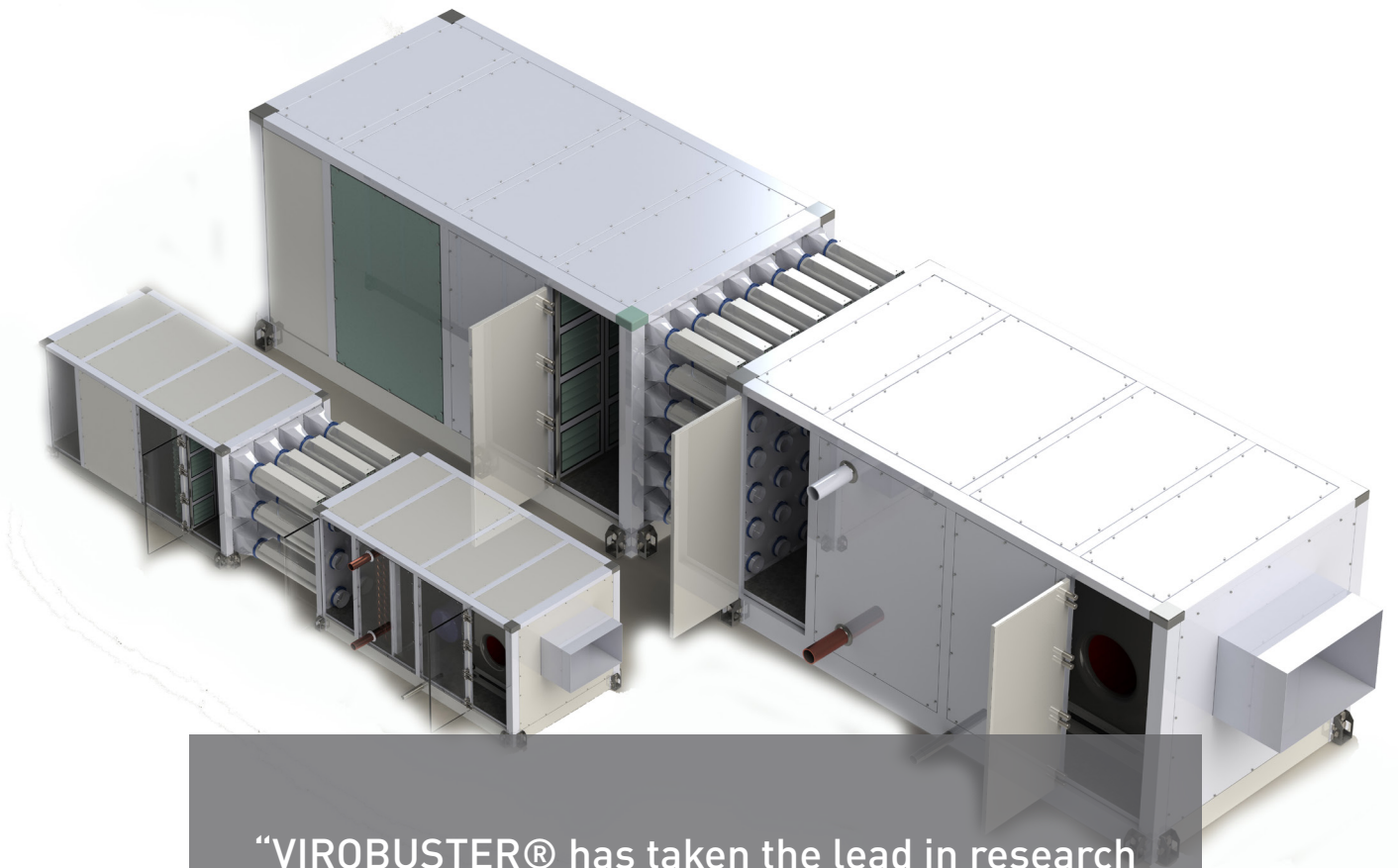
*STOP the micro organism reproduction
NEUTRALIZES their damage potential*



HOW DOES IT WORK

- > DNA is blocked by UVC (254nm)
- > Cell division of micro organism is prevented
- > An infection is prevented





“VIROBUSTER® has taken the lead in research
and development
in air sterilisation technologies”

Dr. Kowalski, - UVGI Handbook 2009



BUILDING SOLUTION

Office & Public buildings

Thanks to the constant pressure to make energy savings, the minimum values for fresh air are constantly being reduced. A high proportion of recirculated air leads to an accumulation of microorganisms and VOCs in the ambient air.

80% of respiratory illnesses are viral infections. Standard air conditioning systems are not able to filter out viruses. VOC emissions through mould in ventilation systems and on walls affect the well-being and ability to concentrate of office workers.

VIROBUSTER eliminates viruses in air conditioning systems, reduces the accumulation of mould, increases productivity and reduces sick leave.

Schools

An absence of proper ventilation and a high number of pupils in small classrooms cause the spread of germs and allow VOC values to increase.

Clean air makes all the difference – stand-alone VIROBUSTER devices ensure low-cost and effective installation. The focus here is on protecting children and young adults.

Low-Energy buildings

Because of the high proportion of recirculated air in houses with controlled domestic ventilation, VIROBUSTER permanently cleans the air so that it is free from microorganisms and thereby ensures the well-being of inhabitants. Allergens are also eliminated in the same way.



VIROBUSTER® is a Born Global Firm”

Dr. Paula Englis, - “Born Global Firms” 2011



CASES

Waiting rooms are often areas where there is a high germ content. Here, our mobile devices such as the Steribase 300 PLUS can be used to protect visitors, staff and patients.

ACHIEVED ADVANTAGES:

- > Improved safety for visitors & staff
- > Solution against viruses
- > Quick & easy installation



**VIROBUSTER®
Steribase 300**



**VIROBUSTER®
Steritube**

VIROBUSTER® installed Steritubes in the HVAC system of several beauty centres.

ACHIEVED ADVANTAGES:

- > Improved safety for visitors & employees
- > Psychologic effect of being protected
- > Clean air request on-demand



“Buildings become more and more isolated, resulting in air related problems. UVGI is an upcoming technology dealing with this”

Prof. Andre Doree



CASES

Sport gyms are often a place of people exhaling a bit more than normal, increasing the risk of (virus) spread. Implementing Virobuster devices will bring a lot of advantages

ACHIEVED ADVANTAGES:

- > Increased trust in the studio
- > Real increased safety
- > USP towards competition



VIROBUSTER®
Steribase Wall

The management of a company is subject to many visits. An increased safety level would bring significant advantages

ACHIEVED ADVANTAGES:

- > Clean space again within minutes
- > Reduced cross contamination during talks
- > Safe concept, function on demand and low running

ABOUT THE COMPANY

Virobuster International GmbH

Virobuster have been confirmed to be very effective and practical in the medical market

Many scientific publications, recommendation letters and press articles have been published which makes the Virobuster UVPE the first worldwide Evidence Based UV Technology.

The company established cooperation's with several partners in all interesting market segments to meet the worldwide request.

- > Scientific proven
- > Worldwide accepted
- > Standard product



FROM MEDICAL TO INDUSTRY

The reduction of fungi, bacteria and viruses does have a significant impact on the air quality and would be beneficial for several segments:

Processing a product under clean air circumstances prevents a biological false start, meaning a much longer shelf life remains. With other words: Clean air can make the difference in shelf life.

FROM MICRO ORGANISM TO EMISSION REDUCTION

Virobuster developed next to micro organism reduction, also a technology to reduce emissions like odours.

We call it the Odourtube !

info@odourtube.com • www.odourtube.com









“OUR AIM
*Innovations for higher product quality VIROBUSTER®
UVPE technology enables air quality to be improved
significantly without the use of additives, with a level of
efficiency that is unparalleled and using a method that
is not only compatible with existing hygiene measures
but also free of emissions and safe for humans, ani-
mals and the environment.”*



Building Applications

Average Air Changes per Hour (ACH) and minutes needed for 90% reduction of contaminants in the air		(ACH)	(MIN)
		1	138
		2	69
 Food Industry		3	46
		4	35
 Offices		5	28
		6	23
 Public buildings		7	20
		8	17
		9	15
		10	14
 Medical		11	13
		12	12
		13	11
		14	10
		15	9
		16	9
		17	8
		18	8

AMOUNT OF DEVICES NEEDED:

$$\frac{(\text{VOLUME ROOM}) * (\text{ACH})}{(300)}$$



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