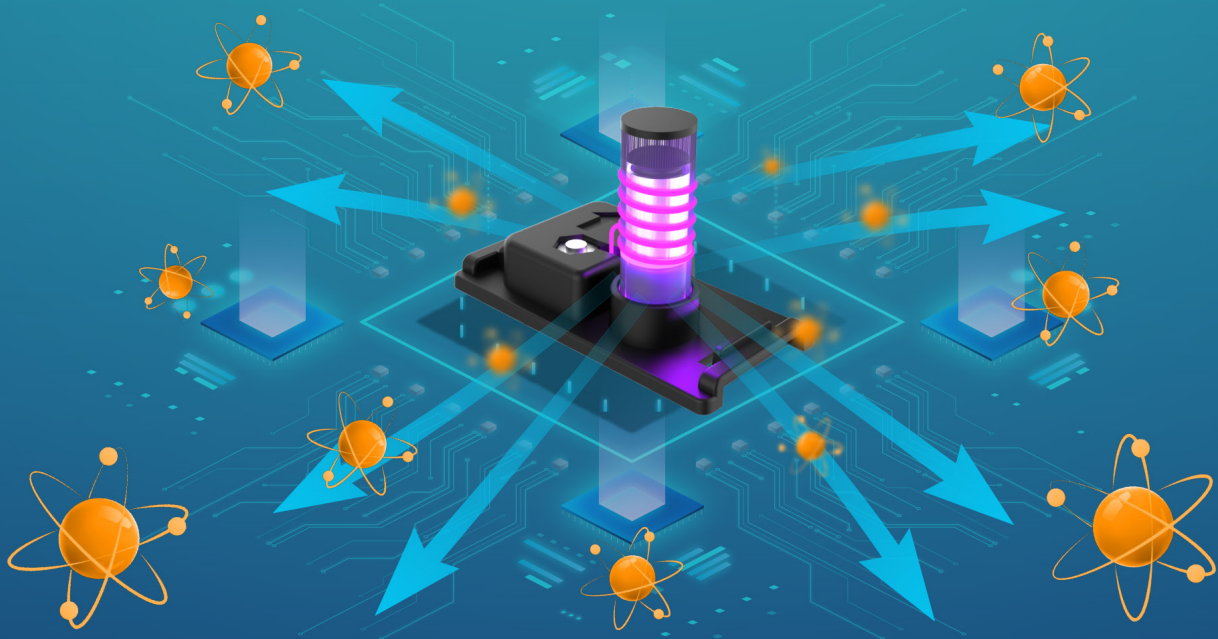


# Ground-Breaking 24/7 Air+Surface Sterilization

## Cerafusion™ Technology

Proven Beyond the Lab



**Proven Beyond  
The Lab**



**Eliminates up to  
99% of a broad range  
of Allergens, Pathogens  
and Pollutants**



**Delivers Effective  
Coverage with  
Speed**



**Sustainable,  
Safe and  
Chemical-Free**



**Sterilizes More  
Than just the Air**

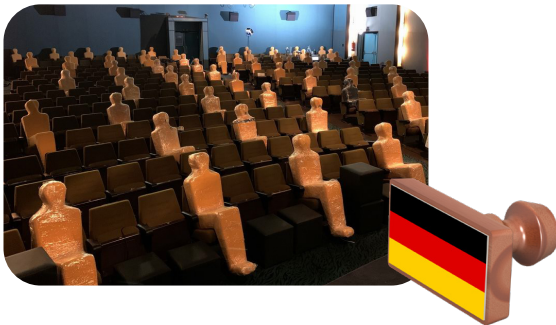
Cerafusion™ is a breakthrough patented technology that is a highly sustainable and non-chemical methodology to improve hygiene efficiently and cost-effectively, creating safer indoor air and surfaces. Since 2005, Medklinn has been innovating hygiene for customers in Asia, Australia, Europe, and North America.

# 5 Reasons Customers Choose Cerafusion™ Technology:

# 1

## Proven Beyond The Lab

Two highly renowned international German Institutions - **Fraunhofer Institute and HygCen Germany** have proven the effectiveness and efficiency of Cerafusion™ Technology in the real world.

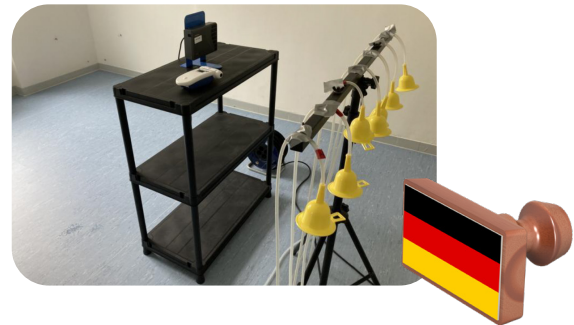


### Fraunhofer Institute

Cerafusion™ Technology reduces **99.97%** of the viral load in a 428 seats cinema hall within the 1st sampling time of 30 minutes.

Cerafusion™ Technology was selected for the CineCov Study funded by the German Federal Government of Culture and the Media and conducted by Fraunhofer Institute, Europe's largest application-oriented research organization. The study was conducted to identify an effective solution to minimize the spread of viruses in large public spaces. <sup>1</sup>

1. CineCov study by Fraunhofer Institute, Germany.



### HygCen Germany

Cerafusion™ Technology reduces **99%** of airborne germs (aerosol) in a 75m³ room within the first 10 minutes of the test.

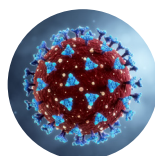
HygCen Germany GmbH, an independent research institute certified by the German Accreditation Body (DAkkS) with EN ISO/ IEC 17025 accreditation for disinfectants and medical devices. The objective of the study was to test the effectiveness of Cerafusion™ Technology in deactivating airborne germs (aerosols) in an enclosed room using safe and controlled low level of ozone. <sup>2</sup>

2. Efficacy Test Result by HygCen, Germany.

## Eliminates up to 99.9% of a broad range of Allergens, Pathogens and Pollutants

# 2

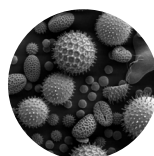
Cerafusion™ Technology creates Active Oxygen (which produces controlled low level of ozone) to fill up any enclosed space for effective sterilization. It has been scientifically proven by numerous studies to eliminate up to 99.9% of airborne and surface-bound pollutants, such as:



Viruses<sup>3</sup>



Bacteria<sup>4,5</sup>



Allergens<sup>4,5</sup>



Mould<sup>5</sup>

3. SARS-COV-2 (COVID-19) Test by Universiti Malaya, Malaysia.

4. Microbiology Test by Universiti Malaya, Malaysia.

5. Microbiology Test by Monash University, Malaysia.

## Delivers Effective Coverage with Speed

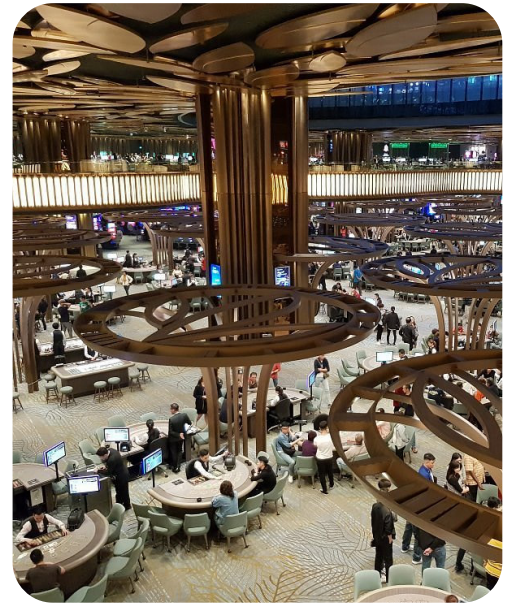
3

The Epidemic Task Force of ASHRAE (Malaysia Chapter) recommends controlled low ozone concentration of 0.05ppm ambient as a supplementary solution to achieve the prescribed ventilation rate of 10L/s per person for enclosed indoor environments.

They developed the **Ventilation Calculator (MVC)**<sup>6</sup> to help professionals identify the most cost-effective and efficient solution to meet World Health Organization (WHO) and Department of Occupational Safety & Health (DOSH) guidelines. The MVC clearly indicates Cerafusion™ provides the fastest reduction in viral load in the most cost-effective manner.

Cerafusion™ Technology truly excels in the speed at which it eliminates pathogens and pollutants, from spaces as small as a car to spaces as large as a casino.

6. MASHRAE Ventilation Calculator (MVC). 



4



## Sustainable, Safe and Chemical-Free

Cerafusion™ Technology emulates mother nature by harnessing one of nature's most powerful, efficient, and safe disinfectants – Active Oxygen (which produces controlled low level of ozone). Ozone consists of 3 oxygen atoms with a half-life of 20 minutes. If it is not used it reverts to oxygen, making Cerafusion™ a highly **sustainable** methodology.

Cerafusion™ Technology is **safe** to use as it complies with WHO and OSHA guidelines.<sup>7,8</sup> It meets with the International Safety Standards for controlled low ozone concentration of 0.05ppm and is safe to use in the presence of human beings. Naturally, it is **chemical free** as Cerafusion™ creates Active Oxygen from oxygen.

7. WHO Ambient (Outdoor) Air Pollution. 

8. OSHA Occupational Chemical Database - Ozone. 

5




## Sterilizes More Than just the Air

Pathogens, mould and allergens are present in both the air and surfaces. A more complete and effective process for safer indoor spaces must therefore include sterilizing the air we share and the surfaces we touch.

Cerafusion™ fills the entire space with Active Oxygen and as it comes into contact with surfaces like furnishings, curtains and cushions, it eliminates the pathogens, moulds and pollutants both in the air and also on surfaces.<sup>9, 10</sup>

For complete sterilization of indoor space, the performance, convenience, and cost-effectiveness of Cerafusion™ Technology is unsurpassed.

9. SARS-COV-2 (COVID-19) Test by Universiti Malaya, Malaysia. 

10. Microbiology Test by Universiti Malaya, Malaysia. 