

# UV C Sterile

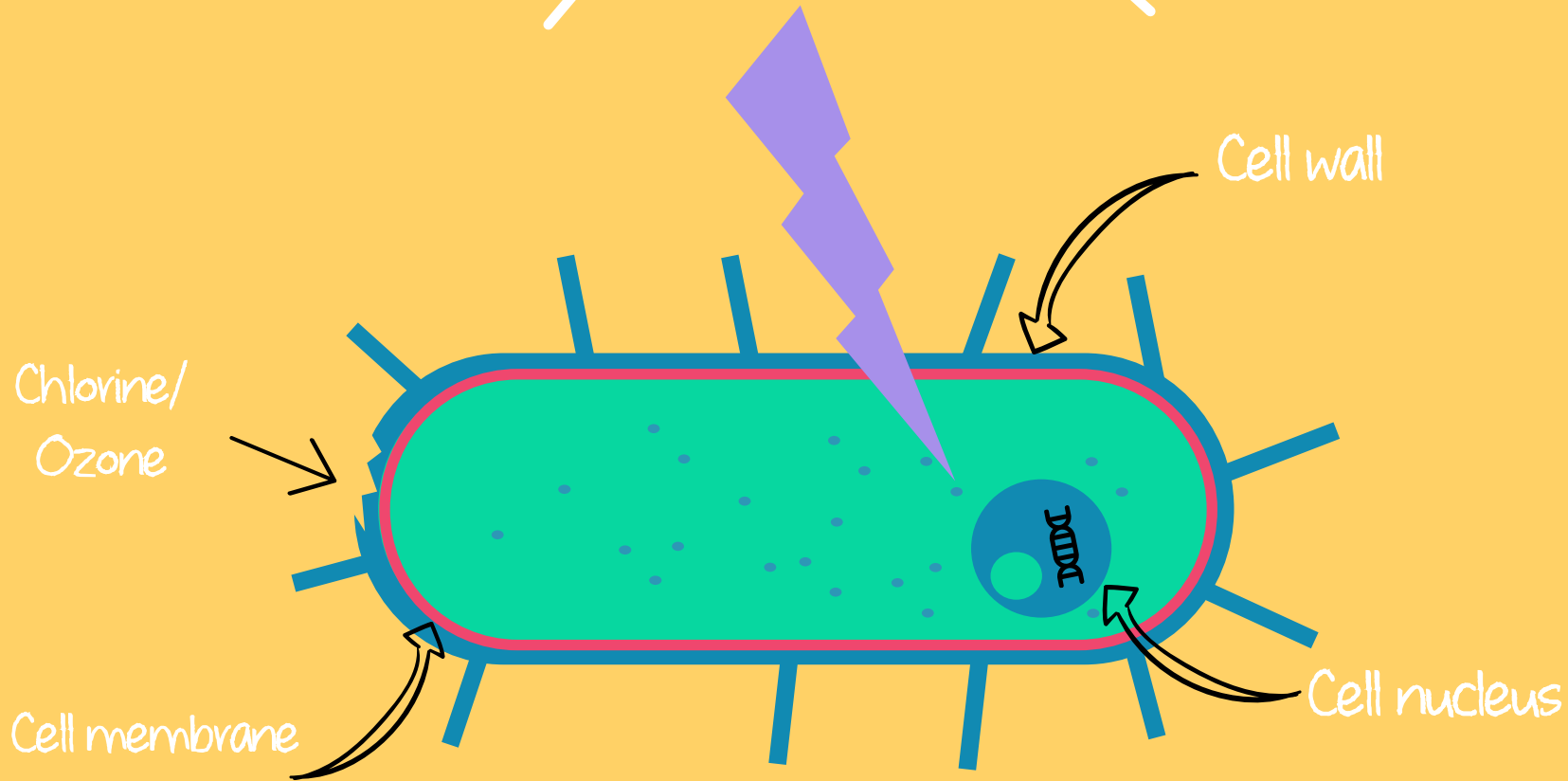


To proliferate, a virus uses our cells as a « cloning machine »

Viruses replicate by using the DNA/RNA inside the cells' nucleus

UV C beam inhibits the act of cloning by desactivating the DNA' power

# How It Works



1

UV C Irradiation

2

DNA/RNA structure  
modification inside the nucleus

3

Deactivation

# Bactericidal Effects Quantified

Agent biologique	Type d'agent biologique	Dose d'UVC ( $\mu\text{W s}/\text{cm}^2$ ) pour une stérilisation à 90 %	Durée de la stérilisation (s)*
<i>Penicillium spp.</i>	Champignon	224 000	1 800
<i>Aspergillus flavus</i>	Champignons/grains et légumineuses	34 900	300
<i>Aspergillus niger</i>	Champignon/fruits et légumes	31 500	250
Levure	Champignon	4 000	30
<i>Influenza A</i>	Virus	1 900	15
<i>HIV-1</i>	Virus	28 000	220
Vaccine	Virus	1 500	10
<i>Escherichia coli</i>	Bactérie	2 000	20
<i>Staphylococcus aureus</i>	Bactérie	6 600	50
<i>Bacillus subtilis</i>	Bactérie	6 800	50
<i>Mycoplasma spp.</i>	Bactérie	8 400	70
<i>Pseudomonas aeruginosa</i>	Bactérie	2 200	20

\* Avec une intensité de  $125 \mu\text{W}/\text{cm}^2$

- Efficiency on a wide variety of pathogens
- Kills seasonal viruses like influenza
- Extremely quick with incredible disinfection

## Effect on COVID-19 (SARS-CoV-2)

An article<sup>1</sup> published in the American Journal of Infection Control showed the efficiency of UV-C beams on COVID-19.

According to this study, 99.7% of the virus was destroyed after only 30 seconds of exposure.

This study was led by PhD. of the Department of Infectious Diseases at Hiroshima University Hospital in collaboration with the Department of Surgery of the Hiroshima School of Biomedical and Health Sciences

<sup>1</sup>Effectiveness of ultraviolet light on disinfecting SARS-CoV-2 surface contamination

# The UVC Sterile Solution

Contactless and Chemicals FREE. Goods won't be damaged by hydroalcoholic solution

Money saving: \$1.75 for 72 uses/day in 365 days

Strong and durable



Complete disinfection in two minutes

No waste, no disposable wipes, no paper

Similar technology has already been tested and approved in aviation

UVC sterile has your customers' safety at heart

# The UV C Sterile Solution

## Product specifications



Input voltage: 110V  
Wattage: 8W



Volume: 8 litres



254nm UV-C wavelength



European Conformity



# The Company



**3 founders** with back-ground in  
the aviation industry

**Creators** of an innovative product  
that meets the immediate needs of  
businesses and consumers alike.

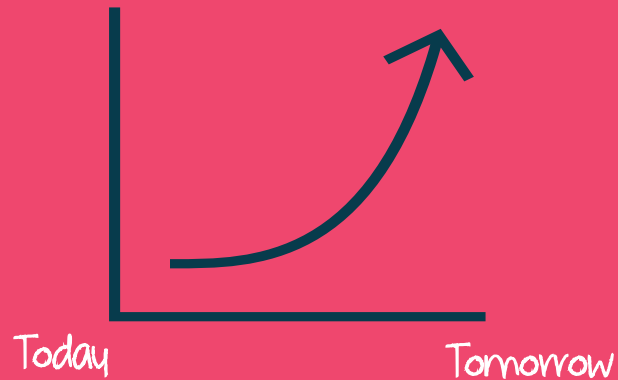
**The company's goal** is to  
improve working conditions by offering simple  
and efficient désinfection solution.



# Our Mission

Is to be the pioneers in the design of UV-C sterilization products.

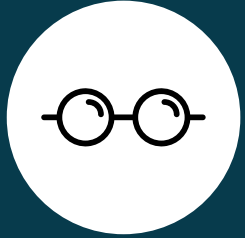
Is to make a wide variety of UV-C sterilizers for specific applications



Is to decrease the proliferation of viruses.

Is to integrate our product into aircraft.

# Potential Applications



Optical/ eye care  
providers



Fitness centres



Hairdressers, barbers,  
aesthetic salons



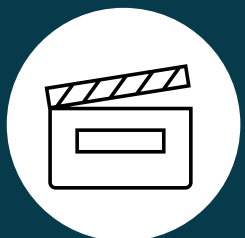
Clothing stores



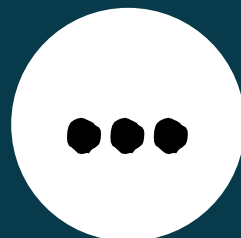
Offices



Grocery stores



Entertainment industry

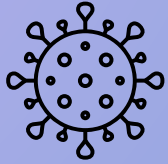


And many more ...

UV C  Sterile

Peace of mind for the workplace

Un virus



3 entrepreneurs ingénieurs



Une idée



Un concept pour  
faciliter la vie des gens