



The fight against the Bacteria, especially the antibiotic-resistant ones, the viruses and so on, is one of the major and most challenging problems as far as the healthcare is concerned.

The British Government commissioned a research that, in its conclusions, states: **“If nothing is done, there will be more casualties caused by bacteria than because of the cancer, within 2050”**

By adapting both hospital, industrial and civil facilities quite easily and at a relatively low cost, the System **Victory the bacteria's killer™** may solve the problem **DEFINITELY**.

Victory™ is a system, not a drug or a disinfectant or other medical device.

Victory™ acts on air, water, surfaces, surgical instruments and clothing, according to the facility needs.

The type of bacteria on which **Victory™** acts has no limitations, being active on the simplest as well as on the most horrific and life-threatening bacteria, such as **Klebsiella Pneumoniae, Clostridium difficile, etc.**

The **Victory™** operating principle is based on the **“PHOTOCATALYSIS”**, the action under which some semiconductor materials, under the influence of light, may trigger a process leading to the reduction or oxidation of undesirable substances, even present in small amounts.

The Photocatalysis, close relative of the **Chlorophyll Photosynthesis**, has been known in scientific field for almost a century and it has been used in the last few years, especially in combination with a semiconductor: the titanium dioxide (TiO₂). However, this combination has always had a problem: the light meant to be the ultra-violet one (UV) that currently cannot be used “on sight”.



Victory™ uses a new semiconductor, the tungsten trioxide (WO₃) together with a platinum paste (Pt) that has major advantages:

- It is 30 times more active than the titanium dioxide;
- It reacts in the presence of the artificial light (visible light spectrum) even in the presence of low power (about 300 lumen);
- It is not considered to be hazard for human health.
- It is the only system able to operate even in the presence of people.

According to the **European Healthcare Commission**, several hundred thousand people die every year because of bacteria that - for different reasons - have created significant resistances, mainly because of an indiscriminate use of broad-spectrum antibiotics.

All this makes you imagine the context in which doctors, nurses, and the health care personnel have to fight.

Besides, the funds the Ministry of Health provide are eaten away by the increased costs for the prolonged days in hospitals.

Moreover, the insufficient number of personnel available does not allow the implementation of the only system that might help infected patients to recover and avoid the infections, that is the isolation in single rooms.

By using the photocatalysis and the **Victory™** system, some researches carried out all over the world reported striking data of bacteria definitive and continuous elimination ...

A new hope is born.



Area distributor:



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