# DABO HTS and its Technology



#### DABO HTS 4.0 srl

Start-Up Biotecnology electric Mail <u>dabohts4.0@legalmail.it</u> p.iva 05394380280 www.liberatech.it





...our habits...
our lifestyle...



... the constant spread of pathogens...





...the uncertainties in the use of land, sea and air transport...







... how can we avoid the spread of viruses and bacteria? Is there a way to face this problem without a continuous waste of human resources and chemical products?





#### Problem analysis













Everyone constantly pays attention not to be contaminated! But do you feel safe to breathe?

Most people go to the supermarket more than once a week. They frequently take the bus, the plane, go to school and meet up with friends drinking a cappuccino at the restaurant.



YOU! ARE YOU SURE NOT TO BE CONTAMINATED?









Our dream is...

To live... and work...



...without having to use the mask indoors!
Without constantly sanitizing our hands with chemicals!
Without the waste of plastic containers!

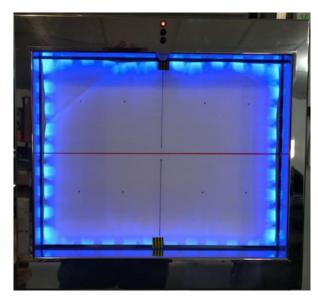


#### We offer a solution!

Our company has developed a new energy that in a few milliseconds destroys the viruses and bacteria present in a certain space with an effectiveness of 99,99%.

The technology is easy to activate and completely safe for humans.

The application of the technology to different prototypes has allowed us to develop and produce devices that eliminate bacteria and viruses from the surfaces most frequently touched by more people.



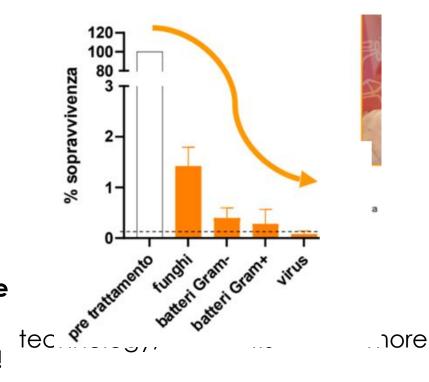


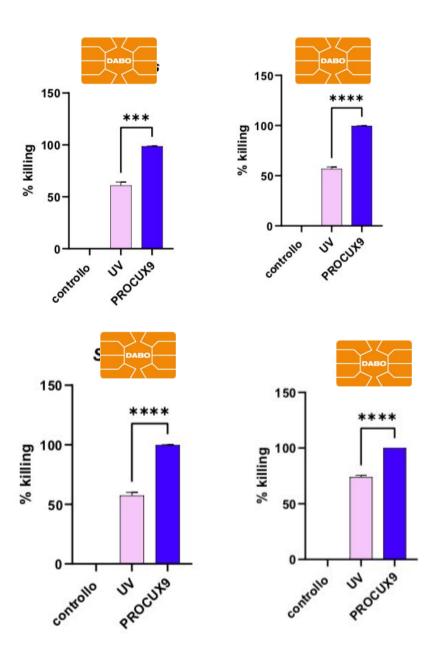


### DABO HTS 4.0 technology – how does it work?

Our technology is **certified** and **patented** in Italy.

- It can be customized to **different devices** (touch screen, ATM, vending machines, info touch, push-button panels of elevators, intercoms, etc.)
- It reduces by 99.99% the microbial load of bacteria, viruses, and fungi (tests performed at the University of Padova)
- It is **completely safe** for human use
- It starts the disinfection automatically after each use
- Compared to the UVC energy saving and disinfect even areas not in sight!





### Results

Microbiological assays

Antimicrobial reduction of 99.9% against bacteria, fungi, and virus

### EXPLANATION FOR ELECTRONIC TECHNICIANS UPDATE FOR MICROBIOLOGICAL RESEARCHERS

Our big investment was made in researching and analyzing traditional devices and comparing them with ours.

Our satisfaction is that after two years of research and tests we have managed to optimize our radiation, which is **safe for humans**, **controlled** and, above all, **protected from accidental breakdowns or malfunctions**, in compliance with the regulations and safety dictated by the laws on health and safety.

Not only! The new radiation is also effective in areas not irradiated on sight.

.. but the search does not have to end here! We still can and must improve!



#### **EXPLANATION FOR TECHNICIANS**

The advantages over the traditional method of UV-c or other radiation are as follows:

ENERGY SAVING
EFFECTIVENESS ON RADIATION
VISIBLE SURFACES

But above all, it is effective in those areas that are not in sight, so the elimination of viruses and bacteria also occurs on surfaces not affected by UV-C

#### Our Technology:

Patent DABO HTS 4.0 srl

Automatically applied at:

Pushbuttons and touch screen touched by many people

Applicable for air sanitization for means of transport (looking for investors to test VIRUS IN THE AIR)

Applicable for air sanitization in delimited places (looking for investors to test VIRUS IN THE AIR)

Free Plastic

Energy -30%\*\*

Safe for humans

Virus Killed 99,9%\*

No chemical product

Effectiveness viruses and bacteria + 50%\*\*

\*\*Compared to competitors that use the Uvc technology

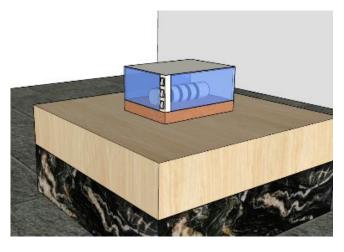
\*With our tests carried out in the Microbiology laboratories, we have verified that the total killing of the virus (Vk99.99%) is necessary to avoid its replication.



## **SAFELY TOUCH - Surfaces and Objects**

Thanks to the technology of our invention, we can irradiate the energies on a surface or on an object and sanitize it in a few seconds, killing the viruses and bacteria present in a simple, safe and effective way.







TEAM DABO HTS 4.0

R&D bioelectronics and technology start up company



Stefano Bottesin CEO Responsible for the technical area and projects



ANDREA BORTOLOTTO
PARTNER
Procedure controller
legal aspects
Investment controller



PAOLA BRUN, PARTNER pharmacy degree, expert for antimicrobial tests Working group for the preparation and production of prototypes



Andrea Zantomio Mechanical Designer



Massimo Lazzarini Electronic Designer

The DABO start-up company is composed of a team of young experts in microbiology, spectography and electromagnetic field.

Commercial sector and after-sales assistance



Davide Bottesin
Partner
Assembler technician
Trainer for new managers
After-sales assistance



Marco Bottesin
Partner
Commercial area manager
Assembler technician
Trainer for new managers
After-sales assistance



Anna Zanella Translator Foreign contact manager



# Same technology, many implementations

#### Our products:

- FRAMES: slide 12
- POS SANIFICATION: slide 17
- **JEWELRY SANIFICATION:** slide 21
- **CUTTING BOARDS:** slide 26
- NEW VENDING: slide 29
- **SANITIZATION OF AIR:** slide 36



### **SAFELY TOUCH - FRAMES**

These are **frames**with our
technology that
are applied **around the pushbutton panels**frequently
touched by more
people.



Assembly is quick and easy. The radiation is automatic, which means that the automatic sanitization process begins thanks to a sensor that sees the hand moving away from the control panel.



### **SAFE TOUCH - FRAMES**

- Automatically starts the disinfection procedure after each use
- Can be customized to different devices
   (touch screen, ATM, vending machines, info touch, push-button panels of elevators, intercoms, automatic cash etc.)





Automatic catering





- info point -Automatic cash

Elevator





### **SAFELY TOUCH - FRAMES**

Devices in production and trade in Italy.

#### Our goals:

- Expansion
- Search for companies for the creations of new collaborations outside Italy
- > Production
- > Sale
- > After-sales assistance



A red frame with our technology, santizing the touchscreen





For recycling and separate collection of material



# PRODUCTS free from viruses and bacteria SAFELY TOUCH

for sanitizing surfaces with DABO technology applied to frames already produced and installed











**Automatic devices** 



#### Project Representatives: Touch Safely

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Documenti legali: dabohts4.0@legalmail.it

website: <u>www.dabohts.it</u> Website: <u>www.liberatech.it</u> We are looking for active investors and investor managers to proceed with this important project.

Capital commitment for Frames only: €. 1.200.000,00

Capital commitment for Frames + New Vending Machines:
€. 3.000.000,00

Responsabile Estero



Anna Zanella Traslator Team assistant



Stefano Bottesin CEO Technical expertise



## POS SANITIZATION

- Automatic disinfection
- Customer feeling safe
- Time saving
- Easy and safe to active
- No chemical (and plastic) waste
- Remotely controlled
- Performed every EACH use of the POS



### **POS SANITIZATION**



Sanitize the POS from viruses and bacteria automatically after each human use.

Patented mechanism and technology.

Suitable for **small** and **large businesse**s such as supermarkets, restaurants, bars, shops.

We are **looking** for **investors** for production and marketing.

#### POS sanitizer working group





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Capital commitment for this project: € 600.000,00

WE HELP VACCINES TO ELIMINATE
THE VIRUS, THIS AND THOSE THAT
WILL ARRIVE IN THE FUTURE.
Thank you.
Stefano Bottesin.

#### Project Administrators

Responsabile Estero



Anna Zanella Foreign Contact Manager



Stefano Bottesin CEO Technical expertise



## JEWELRY SANITIZATION

LiberaTech Box Oro e Preziosi

> "Sanitize your valuables because your health is precious"

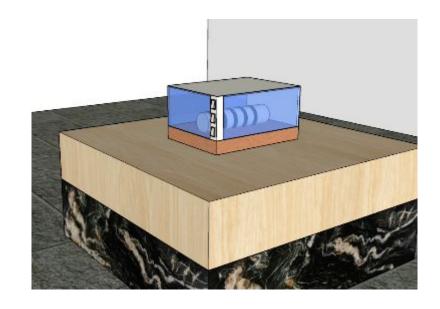
#### Jewelry Sanitization

The **DABO HTS 7.3 technology** also applies to the sanitization of precious items such as **jewelry**, **watches**, **glasses** and objects that have **finely chiseled surfaces** that are difficult to sanitize

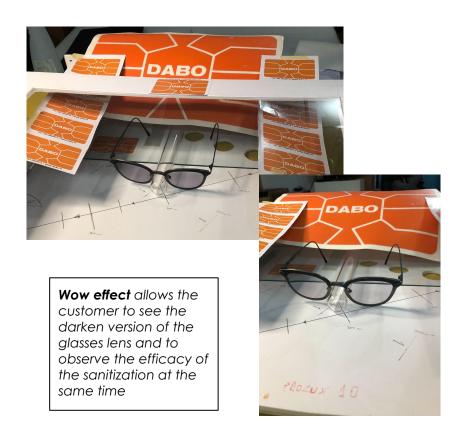
- Better than UV radiation that treats only the exposed surfaces:
   our technology is able to reach even the hidden parts of the precious
   items, sanitizing deeply and with an efficacy of 99.99%!
- <u>Better than chemical sanitization</u> that could be inefficient and could damage the items by rubbing them with aggressive alcohol-based gels: **our technology** has been designed **not to damage the object at all!**

### JEWELRY SANITIZATION

- LiberaTech Box Oro e Preziosi was designed, engineered and produced for goldsmiths, watchmakers and optical shops.
- A version of the Box is also offered to customers who like to have their precious items sanitized and ready to be used at home and at any time.
- All companies and shops that offer sanitized products by means of "LiberaTech Box Oro and Preziosi" can guarantee their customers treated items to reduce the microbial load by 99.99%, thus giving added value to the service provided to customers.



### **WOW EFFECT!**



The shop assistant presents the product to the customer in the Box. By pressing different buttons, he will decide whether to sanitize it only or to also activate the wow effect.

- In the case of precious object we will have **luminous effects** depending on the material of the jewel
- In the case of glasses with photocromatic lenses we would have darkening of the lenses, all during the sanitization

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Responsabile Estero



Anna Zanella Traslator Team assistant



Stefano Bottesin CEO Technical expertise

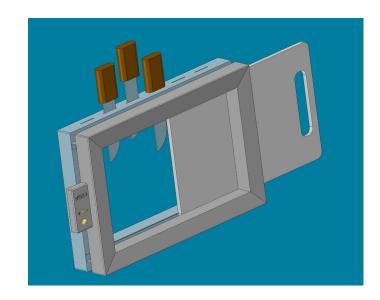


### **CUTTING BOARD SANITIZATION**

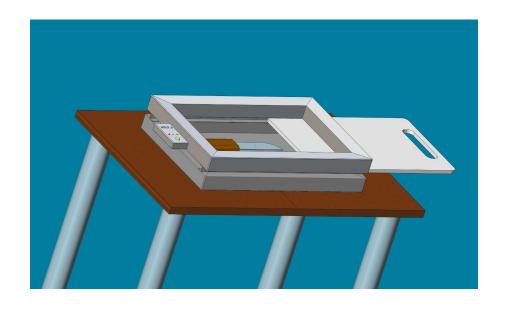


We applied our technology within a frame also to **kitchen cutting boards**, to perform the sanitization in a fast, easy and effective manner.

Our energies kills all viruses and bacteria, included the **salmonella** ones.



### **CUTTING BOARD SANITIZATION**



We have developed both **vertical and horizontal prototypes** and both of them have the possibility of sanitizing also **cutlery**.

The technology is activated by a **button** or a **sensor** 

The power of the technology can be **customized** over time depending on the need

The energies reach even the **hidden parts** of knives and cutlery

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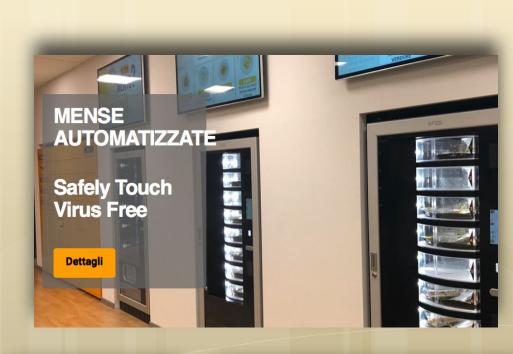
Stefano Bottesin CEO Technical expertise





# DABO HTS and New Vending







# Investment and expansion OPTION FREE VENDING



#### Plastic Free Save Your future



New vending
Automatic Catering
Free plastic
Free virus
Touch safely









#### Vending Machines Group

We are connect

Free virus

Free plastic

#loSonoAmbiente









#### EXPLANATION FOR TECHNICIANS

The connection to the control board of our devices will take place thanks to the wireless activated by the user app. In fact, at each connection, the device will be updated (if necessary), which will send data relating to sales or uses and more.

Reserved for technicians - REMOTE CONTROL via wirelessly connected customer APP

# DABO HTS 4.0

#### We are connect

Manager app
User app
Statistics
Updates
Verifications of operation of the Remote device.





### Our technology applied to Vending



- Automatic disinfection
- The customer feels safe
- Less use of human resources
- Easy and safe with automatic activation
- No chemical (and plastic) waste.
- Safe for humans





#### **REMOTE CONTROL**

- Remote verification of the operation of the devices
- Adaptation of the devices at a distance of radiation and power in knotty making the device always current and effective even after many years.

#### CUSTOMER SUBSCRIPTION FOR TECHNICAL ASSISTANCE

#### **TECHNICAL PLATFORM** IN THE WORK ARE:

- Creation of a platform for **technical assistance** in the area where the devices were sold, thanks to the remote control it will make our devices always functional
- Remote verification of the operating statistics, and in the case of sales systems, we may also have the statistics of the products most sold or used.

SOLUTION FREE VIRUS - FREE PLASTIC - INVEST

#### NEW VENDING and RESTAURANT. janary 2022

Presentation of technology patents to investors SOLUTION FREE VIRUS - FREE PLASTIC - INVESTMENT - We search for **active manager** for marketing related to frame safely touch and LiberaTech devices with DABO HTS 4.0 technology. Application of DABO technology to sanitize air and surfaces for restaurant - automatics machine.

#### **NEW VENDING AND RESTAURANT**

#### The union of two advanced projects.

It involves installing the **catering service** (which uses DABOHTS7.3 technology) and **automatic restaurants** in places **sanitized** with DABOHTS7.3 **technology**.

FREE PLASTIC
FREE VIRUSES AND BACTERIA IN AIR
SAFELY TOUCH

#### Project Representatives: New Vending

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Capital commitment for this project: €. 5.000.000,00

Responsabile Estero



Anna Zanella Traslator Team assistant



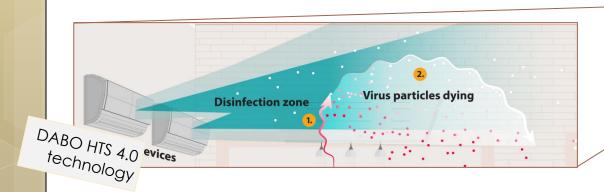
Stefano Bottesin CEO Technical expertise





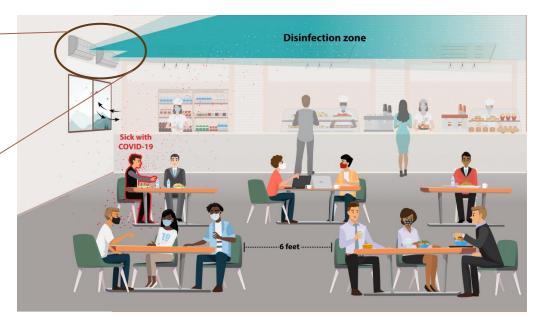
# SANITIZATION OF AIR IN CONFINED ENVIRONMENTS

DABOHTS7.3 Patent of technology



Bars, vending areas, canteens

Refreshment areas (avanced test phase) Classrooms (avanced test phase) Meeting rooms (avanced test phase) Land transport (initial testing phase) Naval transport (initial testing phase) Air transport (initial testing phase) All locations attended by many people



Images from CDC 24/7



### Air Sanification Project - what are we searching for?

To verify the effectiveness of the air technology, we need:

- A **BSM4 laboratory** with a test area as large as a meeting room. This would allow us to confirm to the world the effectiveness of our technology for eliminating viruses and bacteria from the air.
- Inclusion in our social company of a **business angel** and/or an **active manager**

#### Project representatives for Air Project

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<u>www.dabohts.it</u> www.liberatech.it WE ARE LOOKING FOR INVESTORS OR RESEARCH LABORATORIES ABLE TO TEST VIRUSES AND BACTERIA IN THE AIR.

THE RESEARCH AREA MUST HAVE A MINIMUM SIZE OF 7m x 4m x 4m 3.

Capital commitment for this project: € 5,000,000, oo

Foreign contact manager



Anna Zanella Traslator Team assistant

**Inventors** 



Stefano Bottesin CEO Technical expertise

Inventors



PAOLA BRUN, PARTNER pharmacy degree, antimicrobial tests



Thank you for you attention

In the hope of hearing of you soon!



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Stefano Bottesin CEO Technical expertise