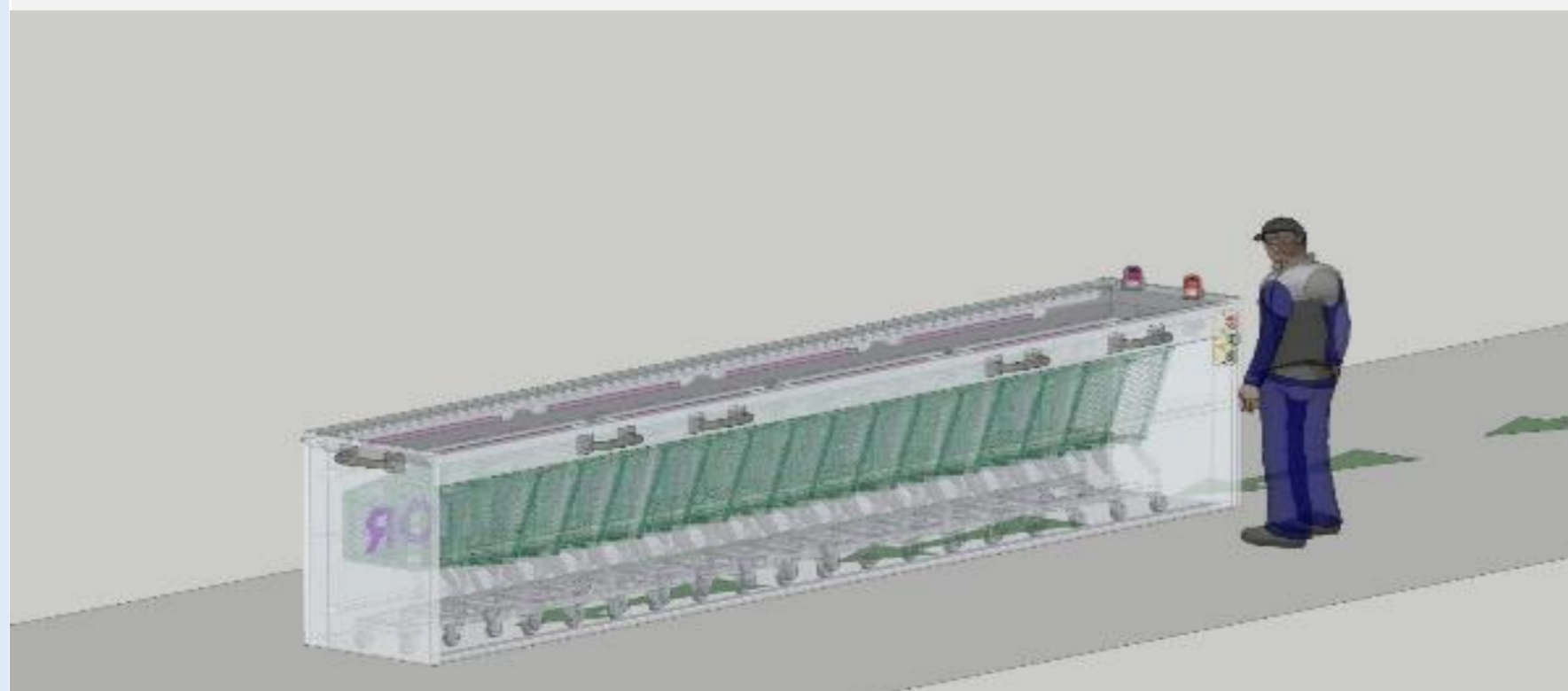
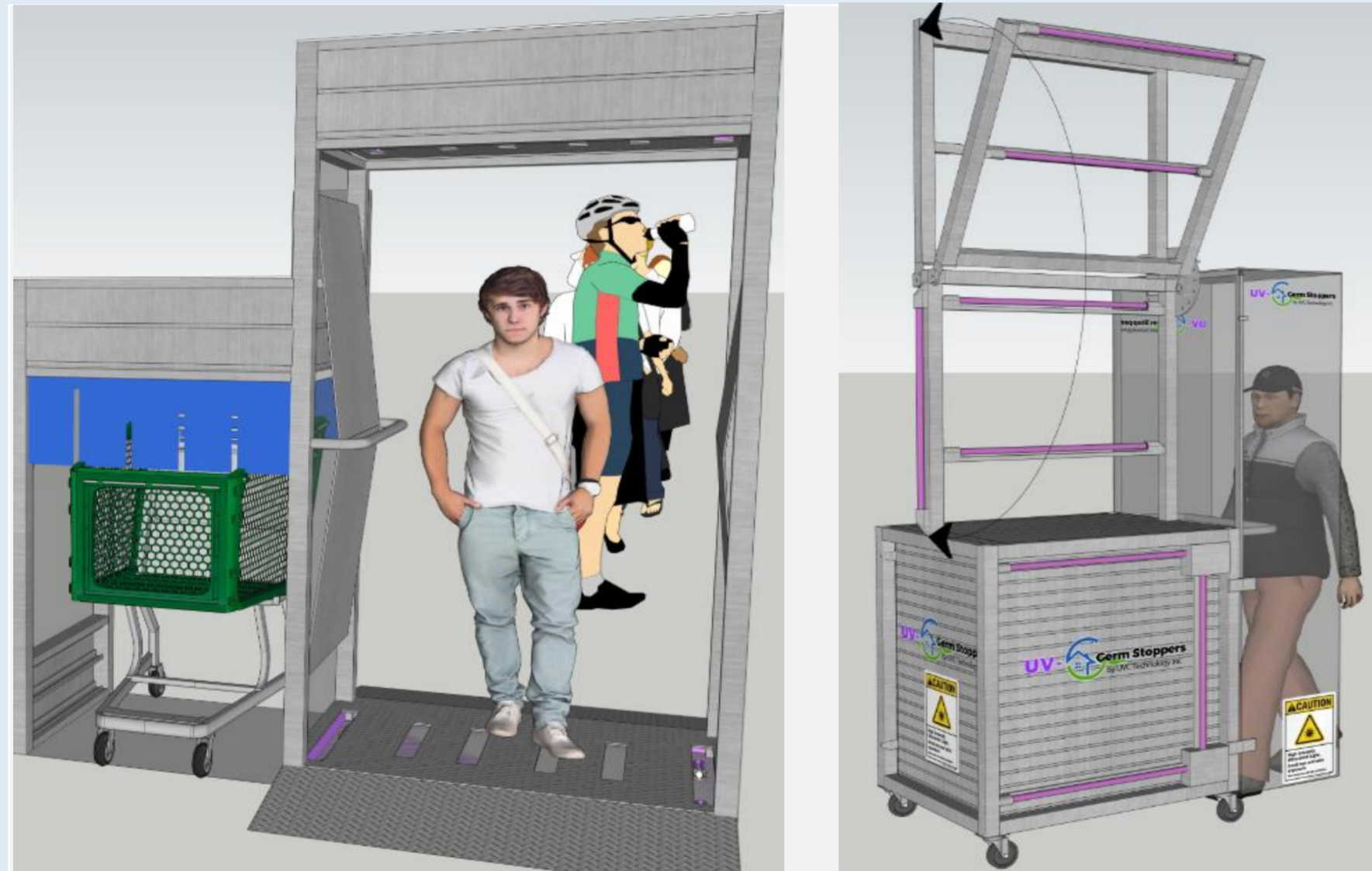


# UVC TECHNOLOGY INC.

*the revolution against germs*



**We build custom solutions for**

***Supermarkets***

# VISION AND MISSION



## Our Shared Vision

Create a care-free environment, free of germs, bacteria and viruses and in so doing beat the pandemic

## Our Mission

To develop revolutionary products, using innovative technologies and in a cost-effective manner, that **STOPS** the spreading of germs, bacteria and viruses across a variety of industries in South Africa and abroad.



# OUR VALUES



## ***Excellence in all we do***

Nothing but the best

## ***Innovation***

Innovation is at the forefront of our customized product range

## ***Customer focus***

We deliver on time, within cost targets and to the highest level of quality. Listening to customers and understanding their needs is essential to developing solutions together. Safety of all citizens an important objective

## ***People***

Treat every employee with respect and dignity. Everyone counts

## ***We do the right thing. Period***

Integrity, responsibility, transparency and mutual trust

# BACKGROUND



The severe acute respiratory syndrome coronavirus 2 (SARS CoV-2), or COVID-19 as it is commonly known, has changed our social interaction forever. At least in the short-to medium term, until a worldwide vaccine is proven, tested and implemented, people will be at risk in contracting the deadly disease.

*“This is the biggest event that people will experience in their entire lives”* – Bill Gates, founder of Microsoft

*“I am sorry to say that life is not going to be what it was like before”* – Professor Salim Abdool Karim, Chairman of the Ministerial Advisory Committee on managing the spread in South Africa.

By the time of writing, more than one billion people around the world were under strict government lockdown measures and 50% of humanity under social distancing recommendations to limit the virus spreading. Air traffic has reduced by approximately 80% and world demand for oil has crashed. It is widely expected that the world will head into the deepest recession since World War 2.

This is the new norm. People will be afraid to go out, to travel, to socialize. At least until a vaccine is available.

# OUR COMPANY BACKGROUND



UVC Technology Inc was founded by a group of entrepreneurs who has been operating businesses, predominantly in the security industry, for the last 20 years.

Our key capabilities are:

- A well-researched and technologically advanced product offering, which can be designed, and custom made for each individual requirement
- Decades of manufacturing and after sale maintenance experience
- A national footprint through our existing agencies and franchises

UVC Technology Inc has developed patented technology to significantly reduce the risk to contract virus-related deceases in public places.

Our advanced germ sanitation suite of products uses UVC, a particularly energetic wavelength of light, to destroy genetic material – whether in humans or viral particles.

**We strongly recommend that a free site assessment be conducted to assess your individual requirements prior to your disinfection solution being procured.**

# WHY UVC?



Our advanced germ sanitation suite of products uses UVC, a particularly energetic wavelength of light, to destroy genetic material, including viral particles

The uses of artificial UVC has been harnessed since the late 19th century and has become a staple method of sterilization in hospitals, airplanes, offices and factories. Crucially, it is also fundamental to the process of sanitizing drinking water as some parasites are resistant to chemical disinfectants such as chlorine.

Studies have shown that UVC can be used against other coronaviruses, such as SARS. The radiation warps the structure of their genetic material and prevents the viral particles from making more copies of themselves. UVC is a germicide, which effectively means it can eliminate bacteria and viruses with an effectivity rate of approximately 99.99%.

**UVC is the key in the battle against COVID-19**

We have developed a suite of products that should mitigate the risk of spreading a virus, even the common flu, significantly.



# WHAT CAN WE OFFER



## **UVC technology trolley and basket disinfection**

Our revolutionary trolley and basket disinfectant eliminates germs prior to customers entering all shopping entrances. It also provides customers with peace-of-mind when handling trolleys and baskets

## **UVC Store Isle disinfectant unit**

Our innovative technology disinfects shopping stores after hours.

## **Far-UVC Permanent lights Station (Walk Thru Unit)**

Permanent lights stations disinfect people prior to entering shopping centers, gatherings and large office buildings.

# OUR PRODUCTS

## *Walk Thru Unit*



People movement spread the virus.

## **Our Walk Thru Unit kills germs effectively on humans**

The product has the following advantages:

- **Safety** – Our specified technical usage specifications ensure safe exposure to skin areas
- **Kills most germs** - Even with lower exposure levels, the unit operates as effectively as traditional fluid-based sanitizer solutions. The Walk Thru unit targets more areas of the human body though, increasing its effectiveness to contain virus spread
- **Ease of use** – Once installed, the unit is motion activated by each person passing through the unit. Easy access, no delays.
- **Low cots** – Apart from the initial capital outlay, the unit runs at minimal operating cost. The unit runs cost effectively off existing power supply and uses minimal electricity.
- **No Chemicals** – No chemicals is used with exorbitant cost effects on the business





# OUR PRODUCTS

## *Trolley cleaner*



Two of the most common infection points today are:

- Air, and
- Surfaces

**Our revolutionary Trolley Cleaner is equipped with the capability to disinfect trolleys at supermarkets within a 10 seconds.**

The product has the following advantages:

- **10 seconds** - UVC light is commonly known to kill bacteria and viruses within a very short period of time. We recommend operating the unit for up to 10 seconds at a time to kill all germs
- **Ease of use** – Once installed, the unit is very user friendly and an operator requires minimal operational training. The operator does not get exposed to UVC light. The unit is safe.
- **Cost effective** – Apart from the initial capital outlay, the unit runs at minimal operating cost. No chemicals are used that are harmful to the environment.

# OUR PRODUCTS

## *Trolley cleaner*



The unit is designed as fully enclosed and built-in safety measures to ensure practical operating capabilities.

One of the biggest challenges facing the business community is government intervention and shutdowns in the event of outbreaks in supermarkets and amongst supermarket staff.

We believe the Trolley Cleaner™ is the most effective de-sanitizer of equipment used by patrons in the market at present.

## *Basket Cleaner™*



The basket cleaning product is built on the same principle as the Trolley Cleaner™ and adapted for size and practicality. We ensure a user-friendly philosophy across our product range making it both convenient for the customer and effortless to manage for the business owner.





# OUR PRODUCTS



## *Isle Disinfector*

Our focus is not only on people. Germs accumulate all over surfaces.

### **How long does the coronavirus survive on surfaces?**

It is not certain how long the virus that causes COVID-19 survives on surfaces, but it seems to behave like other coronaviruses. Studies suggest that coronaviruses (including preliminary information on the COVID-19 virus) may persist on surfaces for a few hours or up to several days. This may vary under different conditions (e.g. type of surface, temperature or humidity of the environment).

### **Our Isle disinfector unit kills invisible germs on surfaces and products through innovative UVC light distribution across the store**

The product has the following advantages:

- **99.99%** - UVC light is commonly known to kill bacteria and viruses within a very short period of time with 99.99% efficiency. We recommend operating the unit through each isle of the store after hours and according to our specified technical specifications.
- **Ease of use** – The unit is very user friendly and an operator requires minimal operational training. The operator does not get exposed to UVC light. The unit is safe.
- **Cost effective** – Apart from the initial capital outlay, the unit runs at minimal operating cost. No chemicals are used that are harmful to the environment.
- **Care for the environment** – The Isle Disinfector runs off battery technology.





# THE DIRECTORS



**Deon de Beer (45)**

**Director: Operations and Product Development**

Deon is the Chief Executive Officer of Limax Securities South Africa, a business he started in 2003 and today expands across South Africa and into neighboring territories. He has a strong entrepreneurial skill and brings a wealth of experience in product development, marketing and operational efficiency.



**Frans Smit (40) CA(SA)**

**Director: Strategy and Finance**

Frans is the Chief Executive Officer of Gener-8 Power Solutions, a renewable energy company, and also holds the position of Managing Director of Crimestopper by Limax Securities Gauteng. He spent most of his career in the corporate world, notably the last 12 years at Sasol where he most recently occupied the role of Chief Financial Officer of ORYX GTL in Qatar and Sasol Mining, Secunda. Frans is a seasoned Chartered Accountant.



**Jan Venter (48)**

***Director: Research and co-development***

Jan is the Managing Director of Design Your Way and the Manager of the Western Cape for Crimestopper by Limax Securities. Previously he held the position of Chief Executive Officer of Rhino Shack where he was awarded Industrialist of the year by the Chamber of Business in 2005.

Jan has a strong background in Electronica, Technical and Information Technology.

# FREQUENTLY ASKED QUESTIONS



## **Is UVC safe for human exposure?**

Over exposure to UVC can cause damage to human skin. Only our walk thru unit exposes humans to come in direct contact with UVC light, but this unit is designed to specifications that are not dangerous but still eliminates viruses successfully.

## **Can I proceed through the unit if I do not have glasses on? Will it affect my eyes?**

Yes you can. Because UVC can't go through any normal clear materials such as glass or plastics, sunglasses etc. is an extra safety precaution against the possibility to get snow blindness or welder's eye. In the case of it happening where a person do get excessive exposure to the eyes, it will clear up in not more than 24 hours thereafter. It is recommended to wear UV protective glasses or not look directly into the light when entering our walk thru unit.

## **How effective is UVC in killing germs?**

The technology is used around the world in hospitals and has successfully been used in the purification of drinking water. Studies have proven that this technology will eradicate 99% of all germ level DNA at the appropriate dosage within seconds. Studies are currently being conducted in the disinfection of busses and passenger aircraft in China after the outbreak of COVID-19

## **Will UVC light have an effect on open food, such as fruit and Veggies?**

No. In fact, it will have a very positive effect on open food and are already utilized in food processing facilities and storage around the world as a germ and bacteria killing solution. It will in fact keep food fresher for longer periods because it eliminates the elements that cause degradation.



# FREQUENTLY ASKED QUESTIONS



## **How often should the store be disinfected with the isle cleaner?**

Every night after hours is strongly recommended. Viruses, such as COVID-19, remain on surfaces for several days. An outbreak of a virus could result in a shutdown of the facility or business.

## **Should I use other disinfectants?**

Our highly advanced products will eliminate germs and viruses with an efficiency of 99.99%. However, an affected person can still enter the store and infect others. We strongly recommend the wearing of a mask, fever screening, hand hygiene and adequate social distancing.

## **Why could we not just use other forms of disinfectants and measurements as mentioned above?**

Coronaviruses spread in several ways and most commonly by touching surfaces and handling objects. Although fluid-based solutions would help, surfaces need to be disinfected regularly to stop the spread. Our way of disinfection is cost effective and eco friendly.

## **Should the isle disinfector and trolley cleaner operators wear personal protective equipment?**

The isle disinfector operator is completely shielded from the light by product design. It is recommended that the trolley cleaner operator wear closed shoes and long pants.

## **How often does the units need to be serviced?**

Annually



# FREQUENTLY ASKED QUESTIONS



## How much is the operational cost associated with each unit?

Most of our products use less power than a desktop computer (400 watt).

We estimate the following electricity cost per hour of operation for each unit:

- Large Trolley Cleaner – R15 per hour
- Isle Disinfector – R20 per hour (only runs for 1-2 hours a day depending on the size of the store)
- Walk Thru Unit – R2 per hour
- Small Trolley Cleaner – R2.50 per hour
- Basket Cleaner – R1.70 per hour

The occasional light will have to be replaced. Failure rate on lamps should be low.

Cost per patron should be much lower than conventional units just on chemicals alone

# IN CONCLUSION



**We believe our products are compelling investment decisions for the following reasons:**

- Clinically proven safe in all applications
- 99.99% effective germ killer
- Low cost to operate compared to conventional disinfectants. No chemicals
- Product quality and simplistic operations

Our company carries itself with high ethical standards and we are confident that this is a true solution to prevent the spread of the COVID-19 pandemic. Acquiring one or more of our products puts every business at the forefront in effective virus and germ reduction in the Supermarket industry.

By focusing on all areas where virus spread is possible (people, equipment and surfaces), we believe your customers will have more confidence in visiting your store going forward.