



SHYCOCAN

VIRUS ATTENUATION DEVICE

A new unique device that protects from current and future pandemics in indoor spaces

Shycocan is bringing life and businesses **back to normal**



We are in the long haul in the current pandemic

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When Will Life Return to Normal? In 7 Years at Today's Vaccine Rates – **Bloomberg** (5th February 2021)

Bill Gates Warns That a Next Pandemic Could Be 10 times Worse – **Entrepreneur** (28th January 2021)

Second year of pandemic 'could even be tougher' WHO says – **Global News** (13th January 2021)

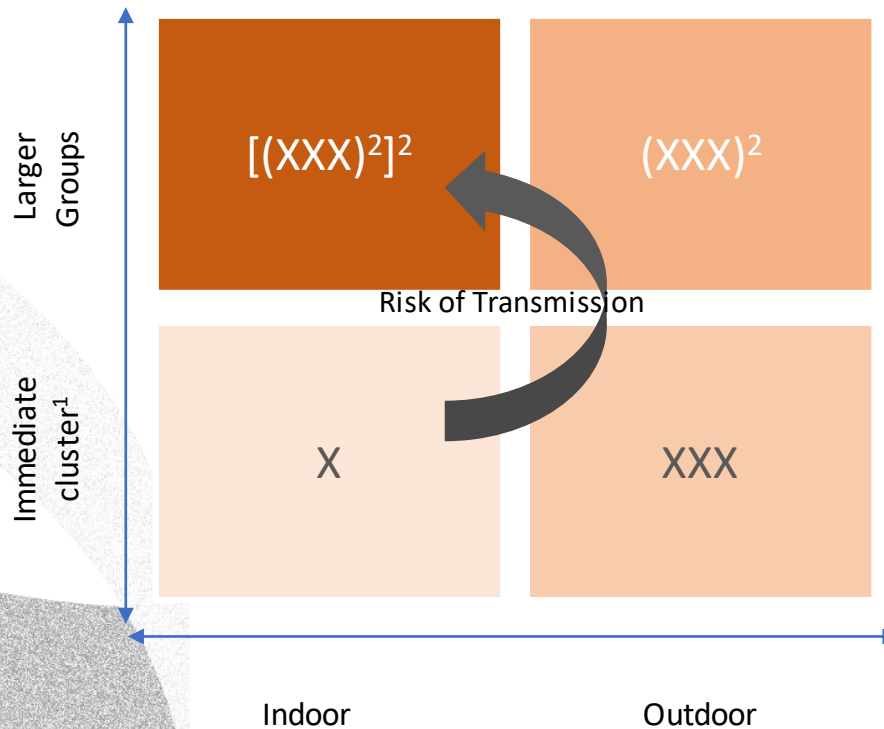
Covid pandemic could last 4 to 5 years: Singapore minister – **WION** (26th January 2021)

AstraZeneca's Vaccine Does Not Work Well Against Variant in South Africa – **The New York Times** (8th February 2021)

UK coronavirus strain is doubling in the U.S. every 10 days, study finds – **CNBC** (7th February 2021)



Breaking the chain of infectivity requires focused work on indoor environments



1 – Housemates and family

2 – Calculated for 4 resident doctors, 8 visiting specialists and 10 nurses (Nurse to patient ratio of 3:1 per shift) working over 3 shifts

→ Key to address infectivity is to address the issue for areas where large groups congregate indoors. Typically such zones include:

- Hospitals, Schools, Offices, Clubs/Gyms/Recreation spots, Hotels etc.

→ There are also areas where managing control on transmission (currently being done through cumbersome PPE suits, filtration and segregation) are additional cost and complexity:

The highest risk of transmission is in indoor environments.

A path breaking certified product based on (proprietary) PMEE* technology

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Introducing Scalene Hypercharge Corona Canon (SHYCOCAN), a device that makes the indoor space like schools, hospitals, hotels, offices, auditoriums etc. safe and prevents virus transmission by 99.9% without any negative impact to the humans or the environment in any way.



Product approvals & Guidance



**CE Class I
Appliance**

Based on **US FDA** review Shycocan is being marketed under the “Enforcement Discretion Policy” during the COVID-19 Pandemic/ Public Health Emergency in the US

* PMEE - Photon Mediated Electrons Emitters, protected as a trade-secret by the inventor

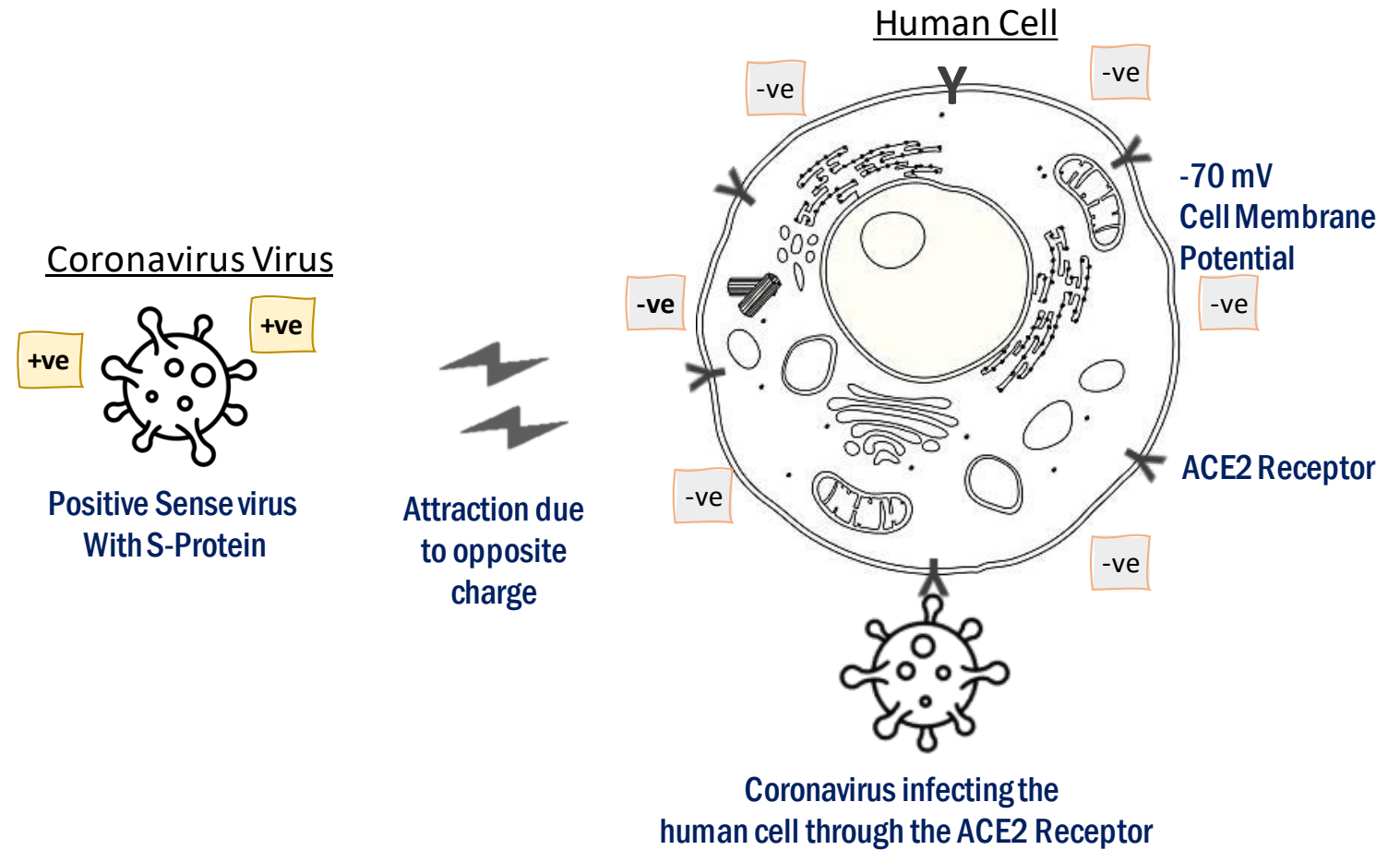
Confidential Information – Shycocan Corporation



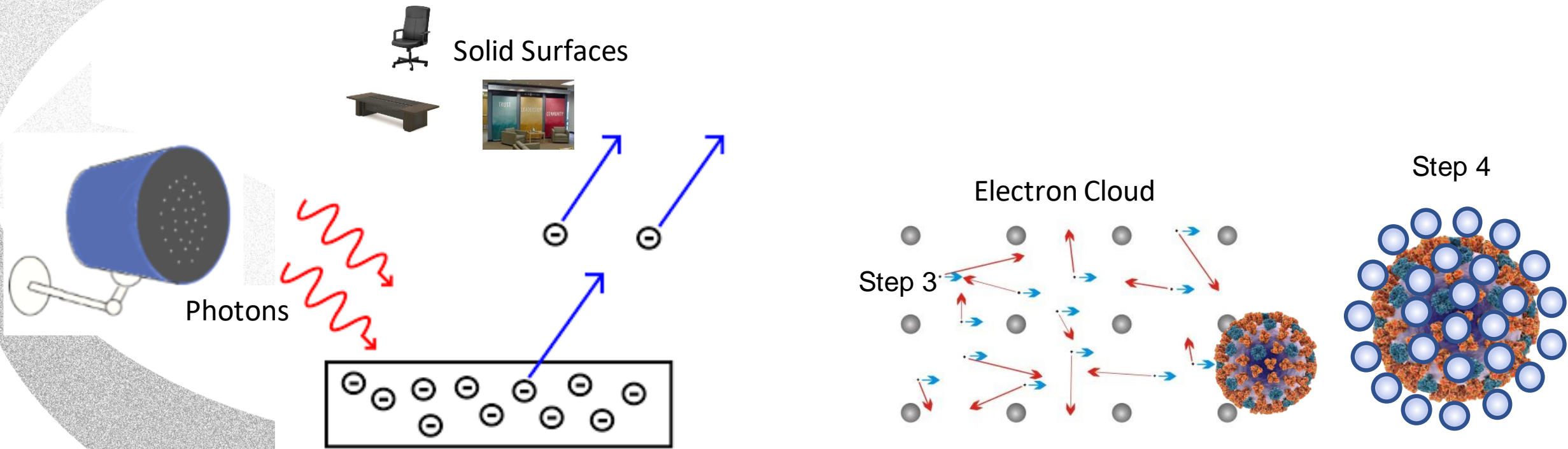
Mechanism of infecting the Human Cell by Coronavirus

How Coronavirus infects?

- The human cell membrane has a negative membrane potential of -70 mV
- There are ACE2 receptors on the cell membrane which are critical to regulating processes such as blood pressure, wound healing and inflammation
- Coronavirus is Positive-Sense-Negative-Seeking virus, whose S-Protein attaches to ACE2 receptor and infuses its RNA into the cell.
- The virus upon entering the cell infects it by multiplying



Shycocan disables virus from infecting the human cell by neutralizing its charge



Step 1
Shycocan produces
Photons

Step 2
Photons emanate electrons
on striking aerosols, viral
particles in the air, solid
surfaces and objects in the
room

Step 3
Due to continuous
operation an electron cloud
gets formed in the
enclosed space where the
device is installed

Step 4
The electrons get attached to the
Coronavirus in the environment in real
time and neutralize its positive charge,
preventing it from infecting another
person.

Shycocan conforms to the regulatory requirements across countries

- European Union's CE Mark with Class I Classification
- Shycocan is currently market-enabled as per the U.S. FDA's "Enforcement Discretion Guidance" during the COVID-19 Public Health Emergency.
- DGHS-CDSCO, India: Class A device: Registration No: MFG/MD/2020/27975
- Product has received the Certificate of Conformity under the Emirates Conformity Assessment Scheme (ECAS) from the Emirates Authority for Standardization and Metrology (ESMA) based on compliance to the following requirements: UAE RoHS Decision No.10 of 2017 (Certificate No. 20-11-29685/E20-11-007514)
- Australian TGA has considered this device as an excluded goods under Therapeutic Goods Determination 2018, schedule I, item 12-Environmental Control/Detoxification Equipment.
- Apart from India, Shycocan conforms to the regulatory requirements of US, Europe, Australia, New Zealand, Malaysia, UAE, South Africa and many others

It has passed through the stringent Safety and Compliance Tests

Ozone Emission Test: no. 2306-50-1 dated 16.05.2020
(by SSTx LLC)

Ozone Emission Test	No Ozone Emission
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Household and Similar Electrical Appliances – Safety -
no. 4789499873 dated 26.06.2020 (by UL)



IEC 60335 1:2010	Passed
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COR1:2010	Passed
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COR2:2011	Passed
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AMD1:2013	Passed
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COR1:2014	Passed
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AMD2:2016	Passed
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COR1:2016	Passed
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2014/30/EU – Electromagnetic Compatibility Directive

IEC 61326-1: 2012 - Immunity and emissions regarding electromagnetic compatibility
(EMC)

Electrical Equipment for measurement, control and laboratory use – EMC
requirement : no. 4789460695-NABL-S1 dated 29.04.2020 (by UL)

CISPR 11	Conductance Disturbance/ Radiated Disturbances	Passed
IEC 61000-3-2	Harmonics Current Emissions	Passed
IEC 61000-3-3	Fluctuations and Flicker Emissions	Passed
IEC 61000-4-2	Electrostatic Discharge	Passed
IEC 61000-4-3	Radiated RF disturbance	Passed
IEC 61000-4-4	Electrical Fast Transient	Passed
IEC 61000-4-5	Surge Immunity	Passed
IEC 61000-4-4	Immunity to conducted disturbance	Passed
IEC 61000-4-4	Power Frequency Magnetic Field	Passed

Study reports / Lab tests for Efficacy against virus particles and Safety

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Type of Study	Institution Name	Report Reference	Aim Of Study	Study Conclusion
Virology Study1	Laboratorios de Especialidades Immunológicas S.A de C.V - Mexico	44527	Neutralizing of SARS-CoV-2,surrogate viral particles	Eliminates 99.9% of the virus
Virology Study2	Laboratorios de Especialidades Immunológicas S.A de C.V - Mexico	RN44527	Assess the effect of Shycocan and resultant viral activity	Shycocan eliminates the Influenza-B virus
Virology Study3	Aquadiagnostics an IAPMO group- USA	AWRTCL/17618A/20-21	To assess the microbial reduction capability	99.976%, 99.994%, 99.996% pfu in 30 mins, 1 hr, 2 hrs
Virology Study4	Aquadiagnostics an IAPMO group- USA	AWRTCL/PRTR/17822/20201	Fast response of MS2 Phage contaminated planks exposed to the Shycocan	Capable of reducing MS2 Phage counts to 99..61% to 99.74% in time intervals of 60 s, 5 and 10 mins
Virology Study5	Aquadiagnostics an IAPMO group- USA	AWRTCL/PRTR/17819A/20-21	Study effect of Shycocan on MS2 Phage in 17000 cubic feet	Exposure at different heights from floor to 11ft did not have significant impact on the efficacy of the device
Virology Study6	Indian Institute Of Technology (IIT) – Guwahati, India	CLE-EFL-SS11	Study the neutralizing and disinfection efficacy	Viral inactivation was 100% in the Air at exposure time of 15 mins and 120 mins
Bacterial and Fungal Study1	Microbiology Laboratory – Scalene Energy Research Institute, Bangalore, India	SCRI073120-B/2020	To determine if Shycocan exposure has any bactericidal effect on useful bacterium	No bactericidal activity, no decrease in number of colonies and number of bacterial cells
Bacterial and Fungal Study2	Microbiology Laboratory – Scalene Energy Research Institute, Bangalore, India	SCRI073120-F/2020 dated 31/07/2020	If Shycocan exposure would affect the viability of fungal reduction	Does not interfere with the physiology/viability of the tested fungus
Toxicology Study1	Indian Institute Of Technology (IIT) – Guwahati, India	CLE-EFL-SS014	To assess toxicity of Shycocan on human cell lines	The Shycocan is non-toxic to human cells
Toxicology Study2	University Of Madras, India	Report Dates 10-Dec-2020	To assess toxicity of Shycocan on Vero Cells	The Shycocan is non-toxic to Vero Cells.



Shycocan provides far greater protection and safety than other methods

SHYCOCAN outperforms on all parameters

Parameter	Shycocan	Air Ionizers	Ultraviolet	Sprays
Effectiveness on Air borne virus	99.9% effective	Effective	Effective for one-time disinfecting. If used in HVAC (AC system), the air passing in front on UV light would get sanitized. It does not guarantee that air, which people in room are breathing, has passed thru AC system or not.	Largely effective for surfaces
Effectiveness on Surface borne virus	99.9% effective, Continuous functioning	Doubtful	Can be used only when people are not present in room as UV rays are very harmful. If used in HVAC, not effective for surface borne virus.	Yes, Disinfecting per use
Time taken to neutralise virus	Instant, happens in real-time	Half an hour to 2 Hours, depending on the claim of each vendor/ lab report	If used in HVAC, Half an hour to 2 Hours, depending on the claim of each vendor/ lab report	Instant
Side Effects	No side Effects	Produces Ozone that's harmful, especially for lung tissues. Low amounts can also cause chest pain, coughs etc.	Direct exposure is very harmful to humans. Safe if installed in HVAC	Chemicals can be toxic to humans
Consumables/ Cost	No consumables, One time installation	Filters need to be changed, constant maintenance	Cumbersome in regular use, high operational cost	Replenishment of sprays

Life-Saving Tech: Running cost that of a 40w lightbulb!

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Plug and Play device that allows for easy installation

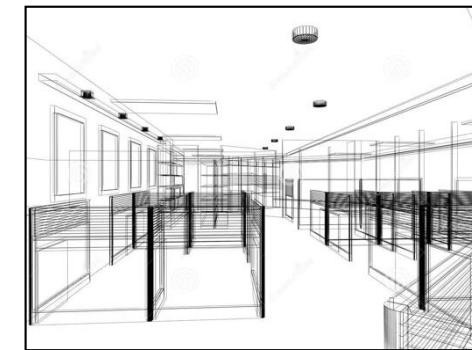
No Consumables, no Filters, no maintenance cost

One device covers 1000 Sq Ft un-partitioned spaces, multiple device for larger space

Completely safe for humans, animals and the environment



A 100 M² / 1000 Ft²
Medical facility typically
needs 1 device




A 300 M² / 3000 Ft²
office space needs 3
devices



Our Commitment to


Our driving force is
unflinching commitment to
serve.

To enable businesses to get
back on track and serve
their internal & external
customers in safe
environment.




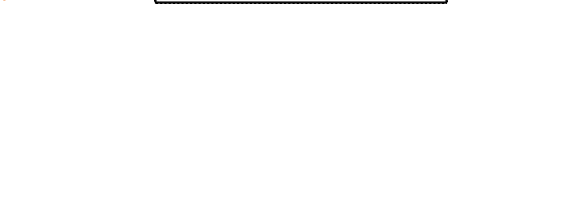

serve.

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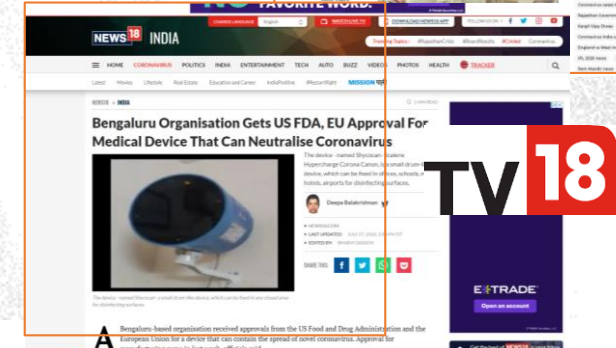
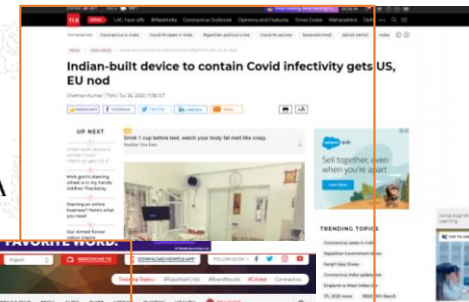
Our Service design is mapped to the critical business needs of large Enterprises.


Our installation and Service support is delivered through unparalleled network of direct support at 100+ cities across the country.

A 3D-rendered yellow smiley face with a wide, curved mouth and two black dots for eyes. It is wearing a black over-ear headset with a flexible boom microphone extending from the left side. The smiley face is centered within a white rectangular area that has a dashed black border.

❖ 100+ Cities

Shycocan has attracted significant interest from media & adoption by large Pvt and Govt organisations





Viruses attenuated by Shycocan

Due to the specific action of the Shycocan on the Positive Charged Capsid (enclosure) of the virus, it is effective against the
Coronavirus and Influenza virus families; and its variants and mutants in the future



It also disables the Influenza family of viruses that cause annual seasonal flu, Swine Flu, Bird Flu like Pandemics, and save millions of hours of lost productivity

Influenza A

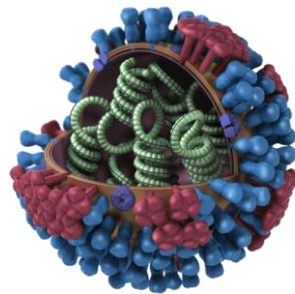
- H1N1 (Spanish Flu 1918 & Swine Flu 2009)
- H2N2 (Asian Flu 1957)
- H3N2 (Hong Kong Flu 1968)
3C.2a1 to 3C.2a4 Seasonal Flus
- H5N1 (Bird Flu 2004, Seasonal Flu)
- H7N7 (Unusual Zoonotic Potential)
- H1N2 ((infects Pigs & Humans)
- H7N2 (Bird Flu Virus)
- H7N9 rated in 2018 as having the greatest pandemic potential among the Type A

Influenza B

- B (Victoria)
V1A.1 – A.3
- B (Yamagata)
Y1 – Y3

Influenza C

- Humans
- Dogs
- Pigs
- Children



Source: CDC

Company profile of Shycocan Corporation

The company is the global licensee of Shycocan device for manufacturing, marketing, sales and distribution of the device

Our company has subsidiaries across the globe. The India subsidiary is Shycocare Technologies, HQ at Bangalore

We have invested in global infrastructure for enterprise support, considering the importance of the device for businesses

Best –in-class manufacturing and supply chain in India to cater to the global markets

The inventor of Shycocan device is Dr. Rajah Vijay Kumar, he holds more than 30 patents and is based out of Bangalore

The promoting and management team of the company has wide experience across Indian and global multinationals

FAQs on Shycocan



FAQs on Shycocan

→ Who is the inventor of Shycocan?

- It is a matter of great pride that Shycocan device has been invented Dr. Rajah Vijaykumar, an Indian Scientist with over 30 multi-disciplinary patents. Dr. Kumar is first a humanitarian and maintains a very low profile despite his prolific inventions. He is also the inventor of Cytotron which currently is approved for two medical applications, one to stop the growth cancer cells in a tumor, and second to repair & grow the skeletal tissue.

→ How long did it take to design the Shycocan and when was it built?

- Dr. Vijaykumar developed a highly specialized alloy after over two decades of research which produces Photon that emit electrons on striking solid surfaces. In 2017 his campus experienced many incidents of seasonal flu, after which he built and installed this device at his campus. This device was later christened as Shycocan. When the current COVID-19 pandemic struck in late 2019/ early 2020, the same machine was sent for testing to global laboratory and found to be equally effective against COVID-19 virus.
- Shycocan was not designed hurriedly post the COVID-19 pandemic but was already working and further refined based on the feedback from testing laboratories and certification authorities over the last few months. Hence, it is well designed device that is effective, safe and has been thoroughly tested.

→ What is the possibility of a person exposed to Shycocan contracting Covid-19 once he/she moves beyond the device reach?

- Shycocan only provides protection in the indoor space where it is installed. Once the people leave that space, they need to take precautions as advised by Govt. / Authorities.

→ Can I open my windows in a room where a Shycocan is running?

- You can open the windows while the Shycocan is running for circulation of air. However, the device should not point towards an open window or door.

FAQs on Shycocan

→ Does Shycocan affect bacteria, fungi and other microbes?

→ Shycocan does not affect any bacteria, fungi or other microbes other than the Corona and Influenza family of viruses. This is very critical to maintain a balance of microbes in the environment, as a very sanitized environment shall increase toxicity and compromise the immune system of humans.

→ Does Shycocan emit Photons or Electrons?

→ The Shycocan device produced Photons through a specialized alloy. The photons emit electrons on striking other matter. Hence, the whole action is termed as Photon Emitted Electron Emission.

→ Does the Shycocan device work indoor and/or outdoor?

→ Shycocan device is designed to work effectively in an indoor space. It can be partially effective in the outdoor space in an areas where the photon strike directly. It may not provide adequate protection in the larger outdoor area.

→ How many hours should I keep it on? What is the electricity consumption?

→ The device is designed for continuous use. it is recommended to be kept ON 24/7 or prior to the closed space being used by its inhabitants. The power consumption of the device is ~40 W.

→ Can Shycocan's technology affect or interfere with the working of IT equipment, medical devices or other instruments in its vicinity ?

→ All necessary tests have been done on Shycocan which confirm that neither this device's functioning is impacted by other instruments and not it interferes with the working of other instruments in any manner. Some of the international standards against which testing is done and passed are IEC 61000-3-2 Harmonics Current emission, COR1:2016 Electromagnetic Compatibility : Emission , CISPR 11 - Radiated Disturbances, IEC 61000-4-3 Radiated RF disturbance, IEC 61000-4-4 Immunity to conducted disturbance, IEC 61000-4-4 Power Frequency Magnetic Field. Therefore this device can be used safely in any environment.

FAQs on Shycocan

→ What is the procedure to setup a Shycocan? Where should I place my Shycocan (s)?

- Shycocan is a plug and play device that just needs to be switched ON. It is plugged into a standard electric outlet. The installation is recommended to be done on a wall bracket provided with the device. The placement of the device is recommended at a height of 7 feet or above on the wall next to one of the corners of the room pointing diagonally towards to the opposite bottom corner of the room. This allows the maximum coverage of the room for protection.
- In case there are multiple Shycocan devices installed in a larger area they should be placed at equal distance or in the corners of the room. They are also recommended to be installed on opposite walls for coverage on both sides of the room. It is best to seek professional help from Shycocan Corporation prior to planning for the installation.

→ What is the coverage area of a Shycocan device?

- The first model launched for the Shycocan device covers an area of 1,000 sq feet. Multiple devices may be installed for larger spaces and placed as per the recommendation of our trained service professionals.

→ Will a single Shycocan protect my entire house/establishment?

- One device only covers one room/ hall upto 1000 square feet. It does not cover an area outside the indoor space where it is installed even if the room size is much smaller or has a glass partition. For example, if one needs protection in two rooms each of 300 square feet, two individual devices shall be required, one for each room.

→ Does the effectiveness of Shycocan reduce if the number of people in the given area increases?

- It is recommended that people avoid close body contact and not overcrowd the indoor space in general. There is need to allow the Photons to cover the whole space and provide protection by releasing electrons that neutralize the virus. e.g. a conference room or a office with normal seating arrangement would be safe to operate.

→ Are there any medical ailments, people suffering from which should avoid using the Shycocan device?

- There are no known side-effects of Shycocan device on people suffering from any ailment. It is considered safe and highly recommended to be used to protect patients of any other medical ailments from contracting COVID-19 as they may already have depressed immune system due to other ailments.

FAQs on Shycocan

→ Does Shycocan cure a COVID-19 affected patient?

→ Shycocan does not help to cure patients that has already tested positive. However, Shycocan can stop the transmission of the virus from the patient to other people in the closed space where the device is installed.

→ How do I know if my Shycocan is working effectively?

→ A indicator light in front panel of the device shows that it is working.

→ Further, a simple test of using a CFL bulb or a tube light held in your hand close the device shall suffice. It starts flickering indicating emission of Photon mediated electrons.

→ If for some reason, device stops working, an inbuilt sound alarm would start beeping. Additionally a red light behind the device would start flashing which can be easily seen from a distance.

→ How long does the effect of Shycocan last?

→ Shycocan needs to be continuously kept operational to provide protection against the transmission. It is recommended that power back-up is installed to ensure that it does not stop working during any power failure.

→ Are there any side-effects of the Shycocan device on humans, other living beings or the environment?

→ Shycocan does not have any known side effect on humans, living organisms, plants or the environment. All the relevant tests related to the environmental safety as prescribed by CE certification were carried out by UL (leading testing labs in the world), and it was determined that the device meets all safety standards. Toxicology studies done on the device also prove its safe for humans & animals.

→ Can the photon emission from Shycocan contaminate food/water?

→ Shycocan is safe to food, water and the environment. Photon emitted from the Shycocan do not contaminate food, water or the environment.

Thank You

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