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# Medical Fumigation and Decontamination



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Emergency Rescue  
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## Introduction:

The virus SARS- CoV- 2 which causes the COVOD- 19 disease is novel and belongs to the group of viruses known as the CORONA virus. It is known to have a single RNA strand covered by a fat-soluble membrane which makes it vulnerable to the right choice of chemicals or a combination of chemicals. Currently over 400,000 people have been infected with about 20,000 deaths worldwide. The good news is that effective decontamination is an essential way of reducing exposure and reducing the spread among the populace.

The infection is known to be contacted in 3 major ways.

- 1) By air, if one is near an infected individual who sneezes or coughs into the air. Without a mask, the healthy individual can be infected by the virus that is known to stay airborne for as long as 3 hours.
- 2) By direct contact with an infected individual, either by shaking their hands or touching their body fluid; a healthy individual could get infected.
- 3) By contacting objects that have been contaminated by an infected individual, a healthy person can come down with the disease. The virus is known to remain infectious on copper for 4 hours, 24 hours on cardboard and 2 to 3 days on plastic or steel.

The general guideline to prevent airborne and direct contact is wearing specified masks and avoiding body contacts like handshakes. However, considering that majority of infected persons are asymptomatic for a long period of time, the spread by contamination has been seen to be the likely cause of the rapid spread of the pandemic.

The most common items that get contaminated are the doorknobs, Automated teller machines, POS machines, railings, lift buttons, chairs and any metal object that are shared by more than one person. One needs to consider the airborne particles that settle down on the floor and are easily transported by clothing and footwear.

In China, Dubai, Munich, London among other cities, the engagement of medical fumigation and decontamination have been successful in reducing the spread of

the illness via contaminants. To this end, we hope to be able to replicate such success in our environment using the appropriate tools, chemicals and cleaning agents.

**Our Method:**

- 1) **Medical Fumigation and decontamination:** The Corona group of viruses have been shown to be susceptible to certain chemicals when properly applied. The COVID-19 belongs to this family and there is no evidence that it has any resistance to these tested and trusted methods. Our approach would be within this internationally accepted protocol for decontamination of buildings, equipment, objects, aircrafts, boats and vehicles.

Wet and dry Fumigators using appropriate disinfectants and chemicals



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## Buildings and vehicles



- 2) **Deep Cleaning of objects and surfaces:** Certain surfaces and objects are prone to contamination as different people use them on a regular basis. Handles, doorknobs and chairs in public spaces are a few of such objects and the right chemicals must be used to kill bacteria and viruses that could have contaminated them.



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## Combination of wet chemicals and deep cleaning.



- 3) **Training of staff:** This is a key element in ensuring the decontamination protocol is effective. Staff have to be taught how to dispose of contaminated materials effectively, the right way to wash hands and use sanitizers, the right way to wear masks and remove them, the right way to remove gloves and dispose them, how to avoid contact with common objects and so on. The training involves audio visual, demonstration and practical.

## Training Programs



### Benefits:

The benefits of engaging our services is innumerable, the wellness and safety of clients and personnel cannot be overemphasized. Clients would be more comfortable to engage your services during and after this crisis when they know that adequate measures have been put in place to ensure their safety. The employees are also well assured that preventive measures have been put in place to reduce their risks. The cure to the illness is yet to be found and death can occur, losing valuable employees to the disease would be costly to your organization and reputation of your company. Health is indeed wealth and prevention is always better than cure.

Cost for any combination of methods would be after evaluation of the facility, volume of items and frequency of the process. We however have a competitive pricing process that does not substitute quality assurance for financial gains.

We look forward to hearing from you.  
Thank you and be safe!

A handwritten signature in blue ink, appearing to read 'Solomon'.

Dr Kayode Solomon  
Managing Director



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