SUSTENA

SUSTAINABLE
SMART
BUILDING
SERVICES

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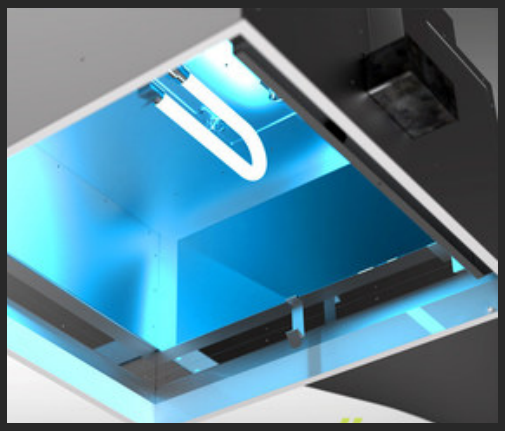
BUILTECH

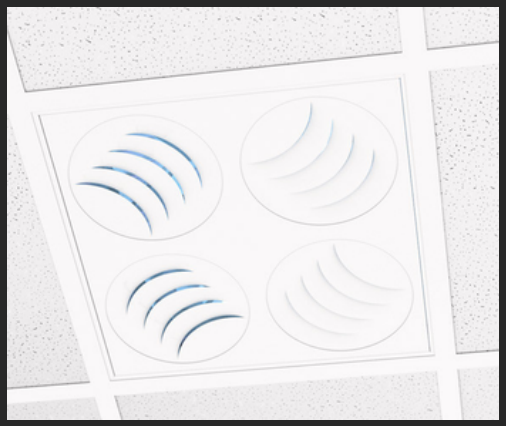
SUSTENA'S MONTHLY NEWSLETTER

This month, we're looking at

INDOOR AIR QUALITY

COVID-19: UV Diffuser An Anti-Viral HVAC Solution





MONTREAL, Dec. 7, 2021: EffectiV HVAC reinforces its position as a new leader in IAQ innovation as the company announces their 3-in-1 solution has been verified by industry-recognized expert Innovative Bioanalysis as an effective solution in containing the spread of COVID-19 after being tested against the virus.

EffectiV's 3-in-1 solution is designed to control humidity, kill mold and mildew and deodorize when used in conjunction with an HVAC system and is supported by science that proves its efficiency to fight off this new infectious airborne virus that has killed thousands of people due to exposure. According to a press release issued today by EffectiV HVAC, their product was tested and proven by Innovative Bioanalysis (IBA) who performed research on EffectiV's HVAC solution with 'mold spore' samples genetically modified with COVID-19. These were then released into a testing chamber containing three different HVAC units: one without anti-microbial solution, one with DEET anti-microbial solution, and a third unit using EffectiV's patented anti-microbial formulation (3-in-1).

Utilising UV lamps in HVAC diffusers could be the go-to solution for many types of buildings, such as healthcare, aged care, offices, schools and retail.

How Smart Homes Can Ensure Better Indoor Air Quality & Energy Efficiency

When thinking about smart homes, many people concentrate on the latest innovations in smart home technology. But while these new technologies are important, you also need to consider an equally important aspect of home comfort: indoor air quality. Poor indoor air quality can affect health, comfort, and productivity, as well as being a ventilation system for molds and pollutants.

Poor indoor air can have a variety of causes, and one common cause is poor ventilation. Ventilation brings in fresh outdoor air and removes stale, polluted air from your home. Without proper ventilation, pollutants can build up quickly indoors. This is particularly true in areas with low natural ventilation, such as basements or bathrooms. You can assess your home's ventilation by observing whether your windows are open for long periods of time. If they are always shut, you may need to install a better ventilation system.

Smart homes' indoor air quality is achieved by installing ventilation systems that are triggered by smart thermostats and motion sensors. This increases energy efficiency and improves the overall quality of air within the home or building.

Smart ventilation systems use sensors to monitor temperature, humidity, and occupancy. When nobody is around or when the outside temperature drops, sensors will trigger fans to turn on and circulate fresh air through the home or building. The system can be programmed to operate at specific times or with pre-set schedules. This has the dual benefit of improving indoor air quality while saving energy costs.

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SUSTENA Pty Ltd
www.SUSTENA.com.au
1300 883 685
info@sustena.com.au