Panasonic

Case Study

Clean air to support a healthy and conducive learning experience

St Cuthbert's College

Location:
Auckland, New Zealand

Client:
St Cuthbert's College

Application:

Education Centre

St Cuthbert's College is an independent school located in Epsom, Auckland and is widely known as one of the best academically performing schools in New Zealand. They acknowledged the benefits of improved indoor air quality, contributing to a healthy and conducive learning environment for students and a safe workplace for teachers and staff.

Challenge: Protecting Students, Teachers and Staff against Viruses

The COVID-19 pandemic has shed light on the risk of viral infection in any shared environment. With schools reopening in an on-going pandemic, providing a safe learning environment becomes the utmost priority for school operators to curb the spread of viral infection.

St Cuthbert's College addresses parents' concern seriously to protect students against viruses in classrooms and common areas, keeping the indoor air quality at an optimum level for a safer workplace for teachers and staff. St Cuthbert's College wants to achieve sustainable IAQ in a school setting that contributes to a healthier, comfortable, and pleasant environment.

St Cuthbert's College, Auckland, New Zealand.

Solutions & Technology Applied

To address this challenge, St Cuthbert's College has opted for Panasonic's patented air purification technology, nanoe™ X by installing 20 air-e ceiling mounted nanoe™ X generators to provide continuous clean indoor air in the school.

St Cuthbert's College installs air e-ceiling mounted nanoe™ X generator in one of the classrooms.

air-e ceiling mounted nanoe™ X generator installed in St Cuthbert's College's classroom.

The air-e ceiling mounted nanoe™ X generators are compact in size, offering ease of installation with a neat appearance for any environment.

Panasonic nanoe™ X technology offers the benefits of hydroxyl radicals (also known as OH radicals) contained in water which have the capacity to inhibit bacteria, viruses, and other pollutants as well as deodorising odours. The nano-sized particles of nanoe™ X allow for deep penetration into soft furnishings like fabric, sofas, and carpets. nanoe™ technology is proven to effectively inhibit up to 99%* of novel coronavirus.

The implementation of Panasonic nanoe™ X technology in the school provides a healthy and conducive learning environment for students, teachers and staff with protection against viruses in the long run.

Neat installation of air-e ceiling mounted nanoe™ X generator.

Product Installed

air-e ceiling mounted nanoe™ X generator (20 units)

* Based on Panasonic verification test in collaboration with the Japan Textile Products Quality and Technology Center (QTEC), the virus titers of novel coronavirus (SARS-CoV-2) and its four variants (Alpha, Beta, Gamma, and Delta) were compared in a 45-liter test space with and without exposure to nanoe™. As a result, the test confirmed an inhibitory effect of more than 99% on all five types of viruses after two hours of exposure. Note that the verification results are based on the test in a closed test environment and not in a space actually in use.

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