Panasonic

Case Study

Dental clinic creates a comfortable and hygienic environment for patients and staff with optimal indoor air quality

Queen Street Dental

Location:
Auckland, New Zealand

Client:
Queen Street Dental

Application:

Clinic

Queen Street Dental, located right at the heart of Auckland's Central Business District, specialises in oral health and offers a full range of services, from general dentistry to cosmetic dentistry. They recognise the importance of indoor air quality by providing a safe and hygienic environment for both their patients and staff.

Putting Patients and Staff at Ease with a Safe Indoor Air Quality

Concern for indoor air quality is more evident now than ever with the COVID-19 pandemic, more so for a dental clinic that consults patients everyday. Therefore, the demand for better indoor air quality has increased to minimise the risk of bacterial or viral infections.

When Queen Street Dental resumed its dental practices during the on-going pandemic, staff's comfort and safety at the clinic became its top priorities. Equally, patients were more anxious about the potential health risks of having dental treatment in an enclosed indoor space. While precautionary methods were in place, Queen Street Dental is committed to continually providing quality indoor air in its premises; beneficial for the future, post-pandemic.

air-e ceiling mounted nanoe™ X generator installed in Queen Street Dental.

Solutions & Technology Applied

Queen Street Dental has opted for Panasonic's patented air purification technology, nanoe™ X by installing 8 air-e ceiling mounted nanoe™ X generators to provide continuous clean indoor air in its premises.

air-e ceiling mounted nanoe™ X generator installed in Queen Street Dental's treatment room.

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

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.

With the implementation of Panasonic nanoe™ X technology, the indoor air of the dental clinic is constantly purified, providing patients a more comfortable and reassuring treatment experience, and at the same time, thoroughly protecting its staff.

Product Installed

air-e ceiling mounted nanoe™ X generator (8 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.

Panasonic Air-conditioning Malaysia (PACMY)
Customer Call Centre
A Division of Panasonic Malaysia Sdn. Bhd.
Lot 10, Jalan 13/2, 46200 Petaling Jaya, Selangor Darul Ehsan
Tel: +603-7932 4189 Fax: +603-7932 4181
Email: aircon.cs@my.panasonic.com
Website: www.panasonic.com/my

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