



Property & Facility Management Division Sr Kays Wong PFMD Council Chairman

After a short period of decreasing COVID-19 cases, the Fourth Wave of the pandemic has come to Hong Kong. As professionals serving on the frontlines of this crisis, surveyors must not overlook the high risk for the virus to spread. As responsible members of society, surveyors should remind themselves, their colleagues, and staff to observe the Government's strict guidelines regarding preventive kits and gear, sterilising procedures, social distancing, and mass testing of frontline staff who manage the city's infrastructure. Surveyors should also keep abreast of the latest updates on COVID-19 and closely monitor news on any impending vaccine for it.

Given the expected difficulties ahead, we may not have a chance to visit the Santa Claus Village in Rovaniemi, Finland this year. Still, I wish you and your families a very Happy Christmas and Festival Season. ❄️ ❄️ ❄️

A New Degree Programme in Property and Asset Management by CPCE, Hong Kong Polytechnic University

On 13 November, I had been invited to be a Panel Member for Validation Exercise for BSc (Hons) in Property and Asset Management, College of Professional and Continuing Education (CPCE), Hong Kong Polytechnic University. The programme is designed to meet the needs of property and asset management practitioners and the industry. A Q&A session with student/graduate representatives was also conducted to discuss their views on their career aspirations and challenges encountered so far.

The PFMD wishes to see more surveyors joining the profession in the coming years.

CPD Event on 24 November 2020

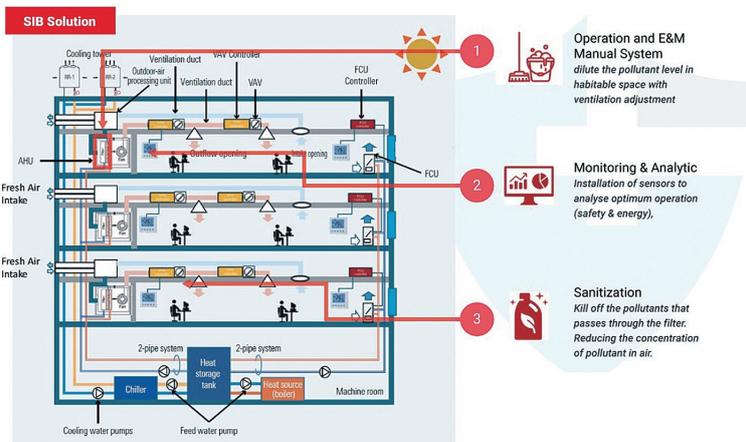
Total Building Solution for Sustainable Immunised Buildings from the Energy Aspect to Disinfection with Artificial Intelligence

(Reported by Sr Dick Li and Sr Danny Leung)

Ir Dr David Chan, Director and Founder of The Negawatt Utility Limited, kindly delivered a three-part CPD talk on 24 November.

Part I: Sustainable Immunised Building (SIB) Negawatt "Total Building Solution" to COVID-19

In light of the COVID-19 pandemic, Negawatt's smart building platform launched the "Sustainable Immunised Building (SIB)" module to tackle indoor environmental quality issues and fight infectious diseases. This SIB solution includes in-depth consultancy by combining the right use and review of building M&E, plumbing and drainage systems, Internet of Things (IoT) devices to capture and monitor IEQ, and the correct use of sanitation solutions and methodologies. SIB can effectively reduce the risk of catching infectious diseases. The disinfection solution was awarded the 37th Geneva International Innovation Invention Award in 2009. Negawatt's all-new building monitoring system can reduce the chances of bacteria spreading through stagnant air and, thus, minimise the risk of disease transmission.



virus. He suggested that IoT devices, such as an environmental electronic nose, could be used to remotely monitor odors that contain ammonia emanating from the soil stacks.

The PFMD expresses its thanks to David Chan for sharing his professional insights with members.



Ir Dr David Chan (Left) and Sr Danny Leung

Part II: Energy-Saving Opportunity through Artificial Intelligence with a Track Record

By using AI to develop an energy-saving solution for buildings, Negawatt is becoming more capable of helping building owners and operators save energy through analysing the data collected from their buildings. This produces a win-win situation for the building industry because the company helps building managers make informed decisions and allows their engineering teams to quickly respond to any issue that arises in daily building operations.

Part III: Cloud-based and Smart Device Applications

Chan introduced his company's building operating system (BOS), a cloud-based solution that works as an AI virtual engineer to enable clients to easily collect, analyse, and manage all building information. The BOS's proprietary algorithms integrate all of the data with the company's proprietary modules to improve energy efficiency and building operator productivity, as well as optimise resources to allow a building to remain in peak condition.

During the Q&A session, Chan responded to an enquiry on the measures for tracing odors from defective or malfunctioned soil stacks, which were identified as incubators for the COVID-19

Forthcoming PFMD CPD

Event Name: Energy Auditing and Energy-Saving Practices for Commercial Properties

Speaker: Mr Zacky TY Wong, Director (Technical Consultancy), WiseTech Consultants Co, Ltd

Event Date: 9 December 2020 (Wednesday)

Event Time: 7:00-8:30 pm

CPD Hour(s): 1.5

Venue: via Zoom

Fee: HK\$150 for members; HK\$210 for non-members

Language: Cantonese supplemented by English

Contents

In order to enhance surveyors' understanding of energy audits and energy-saving practices for commercial buildings, this seminar will introduce the practices and procedures of energy audits and the role of surveyors in such an exercise.