

April *Update*

## MEINHARDT IN FOCUS

Our industry is beginning to see the early signs of recovery and we have been receiving more enquiries. We have had some good wins recently – which is all encouraging news in otherwise difficult times.

Going forward, we will continue targeting clients that demand high quality work, both domestically and internationally. **We continue to achieve engineering excellence through innovation, constant training and by continuously adapting to industry changes** such as Thailand's new Building Energy Code (BEC) and Seismic Code, and incorporating measures to combat infectious diseases and air pollution in every project we are involved in.



*John Pollard*  
Managing Director - Meinhardt Thailand  
Group Regional CEO - South Asia



## PROJECT IN FOCUS

Congratulations to **UOB Thailand** on the recent topping off at their amazing new high-tech office on Sukhumvit Road. Meinhardt is proud to be part of this iconic building, providing **MEP engineering, Civil Site Drainage design services with BIM (Revit) design to LOD 300 and Specialist Lighting design services** to the project. Matthew Silvester, Director attended the ceremony.

Located in the heart of Bangkok, **the new head office building of UOB Thailand** is scheduled for completion by the third quarter of 2021. The 59,315 sq.m. Grade A office will consist of 30-storey and 6 basement levels, adjacent a 7-storey pavilion building.

The project is targeting Green Mark Platinum certification. The building features the latest technology in ELV infrastructure using a GPON backbone system. For the MVAC systems, the building's chiller plant efficiency targets 0.55KW/TR. Automated plant controls are designed for plant optimization. High efficiency fan motors were used for PAU's & AHU's, contributing towards a very efficient building. PAU's also incorporate UVGI for improved indoor air quality (IAQ) with demand control ventilation provided for the office spaces.

## STAFF IN FOCUS

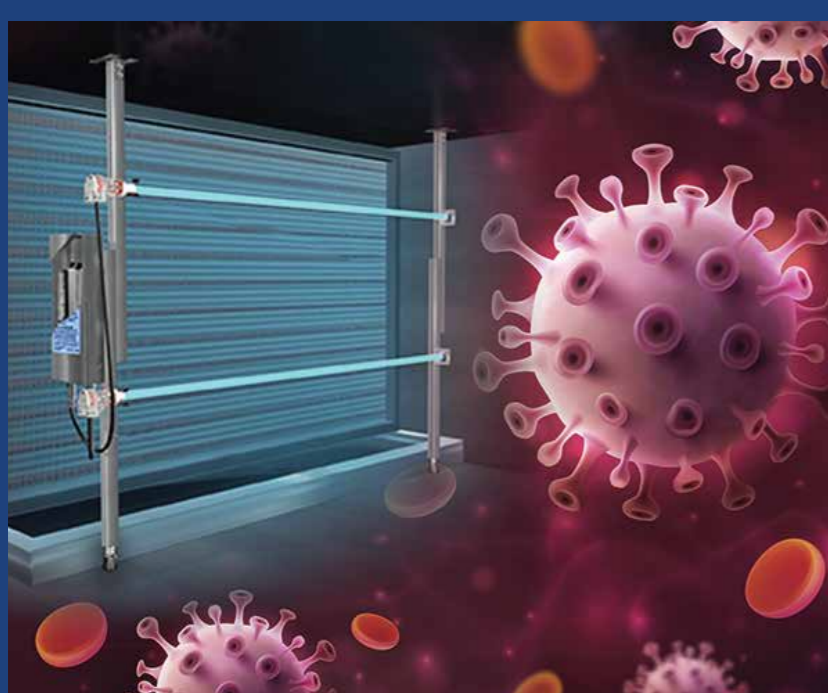
This month we feature Executive Lighting Designer, **Khun Charlie Tanchaoren**. Charlie was awarded a gold medal from Rangsit University, Bangkok then obtained a Masters in Architectural Lighting from Hochschule Wismar University, Germany. Charlie was responsible for the specialist lighting design for this month's featured project, the new head office building for UOB Thailand.

"Meinhardt Light Studio is honored to have provided Specialist Lighting Design for the new UOB building Façade, Landscape and Interior (High Performance Working Office, Auditorium, Flagship Store and Penthouse). We have been working closely with the UOB and other designers to create a Smart Lighting System, with low energy consumption, and highest flexibility for this new landmark office building."



*Charlie Tanchaoren*  
Executive Lighting Designer

## FACT IN FOCUS



There are various methods of **virus and infectious disease transmission**, including: contact (both direct and indirect); transmission by large droplets; and inhalation of airborne particles. The ASHRAE HVAC Design Manual for Hospitals and Clinics, nominates that around 80% to 90% of hospital acquired infections are transmitted by direct contact (surfaces to hands to eyes, nose and mouth). Thus, improved ventilation can help, but it should be in conjunction with other preventative measures. **Engineering principles developed for hospitals can be applied to commercial buildings;** not to the same extent as hospitals, but to improve on the current typical practices. Click [here](#) to learn more or visit [www.meinhardt.net/news/pandemic-resilient-design](http://www.meinhardt.net/news/pandemic-resilient-design).