

MEINHARDT IN FOCUS

Being an air borne disease, Covid-19 has made everyone much more aware of the need to protect ourselves indoor and out. Mask wearing is now the norm both outside and in our offices. However, even in the absence of a pandemic, we should be much more cautious of the air we breathe. Many offices suffer from poor indoor air-quality. Small nano particles, VOC (volatile organic compounds), pathogens, bacteria, dust etc. pollute the air in these spaces and can concentrate over time due to lack of fresh air dilution. **Indoor air quality deserves much more focus in both design and operation of our buildings.** As Thailand's leading consulting engineers, Meinhardt wish to do our part to ensure we have healthy work environments, through both better design of HVAC systems and making our clients aware of the issue.



Sasiporn Sirilatthaporn
Director



PROJECT IN FOCUS

Topgolf, a global sports entertainment company from the United States, has established a presence in Thailand with the construction of **its first sport entertainment complex in Bangkok.** This brand-new Topgolf comprises 3 floors of entertainment complex with approximately 47,000 sq.m. Recently a blessing ceremony was held for the project on 28th January 2022 at the site marking a major milestone in the building's construction completion. Meinhardt was invited to join the event as **the Civil & Structural and MEP engineering consultants.**

STAFF IN FOCUS

John Mugford, Associate Director, joined Meinhardt in 2008. He has over 25 years' experience in MEP design, working on a wide variety of projects. From the UK, he has worked internationally since 1995, mainly in SE Asia, but also in Botswana and Dubai. He currently leads an MEP design team, also Meinhardt's sustainable design department, and has achieved various sustainable design credentials including LEED AP, EDGE Expert and TRUE (Zero Waste) Advisor. **He was recently a speaker at the BCCT sponsored "Air Quality Evening Panel Discussion" at the Rembrandt Hotel, Bangkok.**

"My time at Meinhardt have been challenging and rewarding, with a focus on trying to meet clients' expectations and supporting my team. Another focus is on promoting integrated sustainable design, for example on our remote island resort design projects, such as in the Maldives, where we try to maximise the synergy between waste products of one MEP system and the inputs to another, for maximum efficient resource use. I am now looking forward to future challenges meeting the expected growing demand for innovative low carbon and net zero building design".



John Mugford
Associate Director

FACT IN FOCUS

South Australia derives almost 100% of its power from renewable energy – wind and solar. However, this makes the region very susceptible to power black outs due to extreme weather events. In response, large scale batteries were introduced to regulate the power supply. In 2017 the South Australian Government together with Neoen and Tesla installed **the world's largest lithium-ion battery - the 100MW Hornsdale Power Reserve.** The battery continues to support the grid and provide frequency control and power to more than 650,000 homes for up to an hour. It has prevented the previous frequent blackouts, allowing the state to successfully transition to 100% renewable energy.