MEINHARDT

October *Update*

Integration
Technology
Virtual Construction
Digital Twin
Engineering
Building Information Modelling
Big Data
Artificial Intelligence

MEINHARDT IN FOCUS

For the last decade, Meinhardt has invested heavily in modernisation – particularly in software, hardware and IT. We have been on a mission to not only remain current but to remain at the forefront of the construction industry in Thailand and Myanmar by a process of continuous improvement. Through education and training many of our staff have made the transition and now using new tools and equipment. **As we approach full adoption of BIM (Building Information Modelling)** in Meinhardt offices, we continue to evolve and adapt. We are now turning our attention to new emerging technologies; **Cloud Computing, Virtual Reality (VR); Big Data; and the Internet of Things (IOT).**

"A wise man adapts himself to circumstances, as water shapes itself to the vessel that contains it." *Chinese proverb*

Sasiporn Sirilatthaporn
Director - Meinhardt Thailand

NAI LERT GROUP **ĀMAN**

PROJECT IN FOCUS

Following the official announcement of a long-term partnership agreement between Aman Resorts, the world-renowned hotel and resort brand; and Nai Lert Group, one of Thailand's longest-standing hospitality groups; Aman Resorts and Nai Lert Group will jointly develop a luxury hotel and residences project. **Aman Nai Lert Bangkok**, which will be situated in the century-old tropical gardens of Nai Lert Park in Bangkok, is scheduled to commence construction in the coming months and is expected to welcome their first hotel guests and residents in 2022.

Meinhardt Thailand is providing **Civil and Structural, and MEP engineering consultancy, together with BIM** services to the project.

STAFF IN FOCUS

Sumrit Keeratiruangrong, Associate Director & Team Leader graduated with MSc in Civil & Environmental Engineering from University of New Haven, Connecticut, USA and BSc in Environmental Engineering from Chiang Mai University, Thailand.
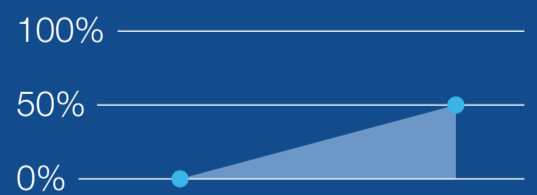
He holds over 20 years of experience in the sanitary and fire protection design of hotels, sports complexes, commercial, residential, institutional and industrial buildings in Thailand, India and Myanmar. As an MEP team leader, he is responsible for managing all aspects of a projects MEP design. This includes the 3D modelling and coordination of all disciplines using BIM workflows. Sumrit has been involved in many of our iconic projects, including this month's featured project, Aman Nai Lert Bangkok.

Sumrit Keeratiruangrong
Associate Director

FACT IN FOCUS

According to Autodesk, more than half of BIM users experience a 50% productivity gain in the long run. As the industry evolves we are going to see Building Information Modelling (BIM) transition to **Building Information Optimization.** We can expect that in the future AI will allow for an augmented design process. Rather than manually designing and modelling, human operators will program the computer with "rules". Through advanced machine learning, the computer will then provide a building's optimal footprint, structural load capacity, thermal performance, and a range of engineering outputs. Things that took months will be done in a day! More time to play golf!

100%
50%
0%