



# March Update

## MEINHARDT IN FOCUS

There is a silent revolution underway in **Smart Cities and Smart Buildings** concepts. Today’s discerning developers are increasingly recognising the value of state-of-the-art design while having great infrastructure and facilities incorporated within their buildings.

In fact, lots of existing buildings already have many of the key components needed to make the building “smart” are already in place but are under utilised. With relatively minor augmentation to an existing **Building Management Systems (BMS), Access Control and CCTV Systems**, existing buildings can be retrofitted with new technology to remain relevant in an increasingly competitive market.



Matthew Silvester  
Director - Meinhardt Thailand



## PROJECT IN FOCUS

In contrast to the high-tech mega projects that Meinhardt is often associated with, it is important also to support the community and play our part in creating a sustainable urban environment. We are proud to participate in the recent **Phra Khanong Treehouse project**. The project was designed in collaboration with International Program in Design and Architecture, Faculty of Architecture, Chulalongkorn University (INDA); with the objective of increasing the green areas and improve public landscape within Bangkok.

The Treehouse provides a unique space for child play and environmental connection. It helps bring together the local community in the Phra Khanong Area. The treehouse was designed using 3D Photogrammetric scan of the trees together with 3D structural analysis program. The challenge was to merge nature with engineering so as to ensure the two existing large trees were spared. **Meinhardt provided Structural Engineering Design** to ensure the structure is safe and stable for public leisure and usage.



## STAFF IN FOCUS

This month we feature Executive Sanitary Engineer and Sanitary Discipline Leader, **Khun Ketsara Chanpaiboon**. Ketsara has taken a leading role in many of our flagship commercial and hospitality projects in Thailand and overseas. Performing the role of Sanitary Discipline Leader at Meinhardt, Ketsara makes sure our Sanitary Engineering design quality is well thought through and the end product is both economic and constructible.

With over 26 years of experience in design of sanitary systems, Ketsara is a Thai Senior Professional Environmental Engineer (Level III, Wutti) and specializes in fire protection systems and authority submissions.



Ketsara Chanpaiboon  
Executive Sanitary Engineer  
and Sanitary Discipline Leader

## FACT IN FOCUS

Gigabit Passive Optical Network (GPON) technology reduces operation and infrastructure cost while increasing bandwidth. GPON provides a unified access platform for multiple services over one fiber network. GPON network infrastructure will address the network Infrastructure requirement which is much less active equipment when compared to Traditional LAN network. This will significantly reduce both CAPEX and OPEX cost.

