



# May Update

## MEINHARDT IN FOCUS

Paramount to quality is consistency, and knowledge sharing. We have an independent design review board, led by our Discipline Leaders. These Leaders are our most experienced and technically proficient engineers; and the review process ensures that the knowledge and lessons learned from every project does not stay with a small group of people or an individual; it is assimilated into a central repository of knowledge and passed on to all staff through project peer reviews, and regular training and knowledge sharing workshops.

This unrivaled depth of knowledge and breadth of experience, together with the application of the latest software tools, ensures **Meinhardt remain the best, most innovative Engineering Design Consultancy in the region; Meinhardt aims to be the first (and only) 100% Revit/BIM Engineering Consultancy within 2018.**



*Boonchon Tuntirattanasoontorn  
Director*

## PROJECT IN FOCUS

A new prestigious addition to the Chao Phraya River, **Banyan Tree Residences Riverside Bangkok** by Nirvana Daii PLC. has recently been topped out at 177-metre above ground. The project consists of 45-storeys with 133 luxury residential units, under the **5 stars Banyan Tree brand**, offering elegant and unique lifestyles to all residents. The new tower stands on a previously abandoned structure, presenting unique challenges for structural and geotechnical engineering coordination.

The luxury units feature high end MEP systems such as VRV air conditioning and energy recovery ventilation units for increased ventilation and improve occupant comfort and combat the increasing problem of air quality in Bangkok, as witnessed during the recent extreme smog conditions.

Meinhardt is delivering **full engineering design services** include Civil and Structural, MEP engineering design and Building Information Modelling (BIM). The project is scheduled for complete by the end of 2018.

## STAFF IN FOCUS

This month we officially welcome our Associate Director, Khun **Derek Angus**. Derek is originally from Australia, graduated with First Class Honors in B.Eng. (Mech), University of Queensland. Derek carries over 25 years of experience in a variety of projects including commercial, residential, retail, health care and government facilities in Australia, South East Asia and the Middle East. After 16 years based in Bangkok, he has gained hands-on local knowledge with comprehensive understanding of Building Services and Project Management.

"It's great to be part of the team of talented professionals at Meinhardt and I am enjoying contributing to the success of the Group. I am particularly impressed with Meinhardt's commitment to Quality Assurance; the emphasis on staff training and BIM expertise. Ultimately these attributes allow us to deliver high quality products to our clients"



*Derek Angus  
Associate Director*

## FACT IN FOCUS

Do you know that: PM2.5 stands for Particulate Matter 2.5 Microns? The 2.5-micron size range is the smallest range for measuring air pollution. These are ultrafine particles and is approximately 4% of the size of a human hair. To protect your lung, minimize the amount of time you spend outdoors or wear a face mask (rated at N95 or higher) if you have to. When indoor, ASHRAE Standard 62.1-2013 (Ventilation for Acceptable Indoor Air Quality) requires Minimum Efficiency Report Value (MERV) rated from MERV 1 to MERV 20 to be at MERV 8 air filters for cooling coils supplying occupied spaces; but for areas with PM2.5 levels exceeding the national (USA) standard, then minimum MERV 11 air filters are required.

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