
GREEN ARCHITECT OF THE YEAR



AR. KUAN CHEE YUNG

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Ar. Kuan Chee Yung is Senior Vice President at CPG Consultants Pte Ltd. He is an Architect, Planner, Educator, Nature Champion, Integrated Landscape and Garden Designer with extensive work in Singapore & the Region ranging from Complex Integrated Projects like Knowledge Campuses, Healthcare; to Lifestyle Oriented Designs like Residential Townships, Urban & Waterfront Mixed Commercial Developments; to Institutions like Museums, Botanic Gardens and Iconic Themed Parks. He is a multiple GreenMark Platinum Award Winner, won the SIA-NParks Skyrise Greenery Award 2009, LEAF Awards 2014 (Outstanding), CTBUH & RIBA International Design Award for Solaris@one-north and Futurearc Awards for Bay East Gardens.

His writings on Social Capital & Sustainable Design have been featured in SA Journal and he continues to be active in SIA as Council Member, Chairman of Practice Convention 2016, Co-Chair of Education Thrust, and member of GreenMark 2015 work groups. He also serves in the Construction Productivity and SkillsFuture Tripartite Committee (CPSTC), Productivity Gateway Advisory Panel, INPQS (BIM) Co-Chair and Design for Maintainability Workgroup in BCA.

AN EYE FOR GREEN

Ar. Kuan has been involved with many Green Mark projects in Singapore, many of which have distinctive sustainability features. For example, Solaris@One-North - a Green Mark Platinum project - features a 1.5km spiral garden that winds around the building and links a series of

stepped roof gardens that allow for practical vertical greening from One-North's green spine to the rooftop. This garden is cost-effective as it reduces glazing by 30 percent yet still retains the multi-function of an easily maintainable green façade, attractive sky terraces for users, native trees planted in a bio-swale/ water filter and rainwater collector. This green façade was found to be more efficient in ETTV (envelope thermal transfer value), allowing the project to clinch the ASEAN Energy Award in 2013 as well as the NParks LEAF Outstanding Award for landscape with biodiversity.

Another notable project Ar. Kuan led is the Wet Science Building at the National University of Singapore (NUS). Apart from being a very energy-efficient building through the usage of higher efficiency chiller systems, Ar. Kuan also added a new social-creative dimension of "Maker Space & Floor to Floor connected Collaboration Spaces", innovated with passive and mixed mode thermal comfort systems with the use of cool condensate water for cooling and landscape irrigation. The laboratory's efficiency was also raised by two percent with a larger combined "flexi-lab" floor plate, allowing in more daylight without higher solar heat gain.

Ar. Kuan is also co-chair and advisor for the Singapore Institute of Architects (SIA), representing SIA and the Malaysia Institute of Planners to promote various green and wellness initiatives in Singapore and Malaysia. 🌱