

Annex B: About the Winners



Green Architect of the Year 2011

(2011 年度绿色建筑师)

Mdm Vivien Heng Cheng Sim (王清心)

Director (董事)

RSP Architects Planners & Engineers (Pte) Ltd

Her work: Vivien is a Registered Architect and a BCA-Certified Green Mark Manager with 30 years of experience in design and project management of a wide range of institutional, industrial, residential and mixed commercial developments. As Projects Director overseeing a team of Architects at RSP, she has over the years been involved in many complex projects.

She is constantly inspired by environmentally-responsible solutions in our local architecture and is fascinated by the many innovative strategies in green building technologies today. Vivien is also RSP's Environment and Quality Assurance (QA) Director leading the firm's Environmental Sustainability Unit.

Her projects: Vivien intuitively understands environmentally-sensitive design and enthusiastically drives her agenda for sustainability in all her building projects.

Two recently constructed projects include Caterpillar's Remanufacturing Facility and the Woh Hup Building. For the Caterpillar's Remanufacturing Facility at Tukang Innovation Park, she adopted innovative yet practical and cost-effective recommendations by designing for low energy use, introducing optimal natural ventilation and strategies to reduce reliance on air-conditioning and artificial lighting.

In the Woh Hup Building, a BCA Green Mark Platinum project, she worked from the inception of the project with the specialists and consultancy teams to facilitate highly integrative strategies in the design, construction and use of the building for sustained high environmental performance.



Green Engineer of the Year (2011)

(2011 年度绿色工程师)

Er. Tan Kiat Leong (陈吉良)

Executive Director (执行董事)

Beca Carter Hollings & Ferner (S.E. Asia) Pte Ltd

(贝科(东南亚)私人有限公司)

His work: As a Mechanical Professional Engineer and a BCA-registered Green Mark Manager, Er. Tan has been actively involved in Green and Sustainability-related work throughout his 20-year career. He is currently heading the Environmentally Sustainable Design team and the Centre of Excellence in Beca. He

is also involved in detailed M&E engineering design review, energy audit, environmentally sustainable design and associated computer modeling for many major projects in Singapore and the region.

His projects: Er. Tan is the Job Director for M&E consultancy works of many major projects, including the Zero Energy Building (ZEB) at BCA Academy, for which he received the IES Prestigious Engineering Achievement Awards in 2010. The award was given in recognition of his outstanding engineering works in the project. Er. Tan and his project team had worked closely with counterparts from NUS to integrate various Green Building Technologies for test-bedding and functional use at the ZEB.

He is also actively heading the energy audit teams in Beca to conduct energy audits, computer simulation and optimisation studies for residential, commercial and office buildings in Singapore and overseas. They have introduced various innovative and practical measures to help buildings achieve optimal energy efficiency and sustainability.



Green Advocate of the Year (2011)

(2011 年度绿色倡导者)

Mr Allen Ang Aik Leng (洪奕龍)

Deputy General Manager (副总经理, 工程署)

Projects and Head, Green Building (绿色建筑主管)

City Developments Limited (城市发展有限公司)

His work: Since joining CDL in 2003, Allen has been entrusted to drive green innovation in CDL's commercial and residential developments. Apart from championing green buildings, he is instrumental in CDL's successful three-pronged strategy for sustainability - develop high quality and eco-friendly properties, manage properties in a cost-effective and energy efficient way, and influence the community positively.

His projects: Allen has achieved notable milestones in environmentally sustainable developments that have received the BCA Green Mark Platinum or BCA Green Mark Gold^{Plus} Awards. These developments include City Square Mall, which is the first commercial development in Singapore to receive the BCA Green Mark Platinum Award, and 7 & 9 Tampines Grande, the first completed building to receive the LEED Gold certification from the US Green Building Council. Allen's passion for the green cause also prompted him to serve on the North West Community Development Council as Chairman of its Green Committee where one of his key focuses is in creating greater awareness among the younger generation on environmental issues.



Green Innovator of the Year (2011)

(2011 年度绿色创新者)

Dr. Ho Nyok Yong (何玉荣 博士)

Technical Director / Director

(技术总监兼董事)

Samwoh Corporation Pte Ltd

(三和私人有限公司)

His work: Dr. Ho has been actively involved in the study and development of recycled materials and green technologies for more than 20 years. Prolific in his research projects on the use of recycled materials for buildings, Dr. Ho had also spearheaded many innovative R&D initiatives on the use of waste materials for other construction applications as well as in the development of special green products.

His projects: A ground-breaking research project led by Dr. Ho is on the use of recycled concrete aggregate (RCA) for structural applications. The project, funded by MND, resulted in the development of concrete using RCA to replace natural aggregates which would in turn help reduce Singapore's dependency on imported raw materials. The project led to the successful construction of the Samwoh Eco-Green Building, a BCA Green Mark Platinum project, and also the first in the region to be constructed using concrete with up to 100% RCA. Dr. Ho is also the principal investigator for other research projects on waste materials including the use of RCA for other construction applications (e.g. airfield pavement, road construction and trenching works), asphalt waste, incinerated refuse ash as well as scrap tires.

Annex C: About the 'Trophy Design Competition'

The BCA-SGBC Green Building Individual Awards "Trophy Design Competition" aims to create awareness among students on how green buildings and the use of recycled materials can enhance our quality of life. The competition seeks to tap on their creativity to design and fabricate a trophy for the BCA-SGBC Green Building Individual Awards winners. The trophy design competition was opened to students from Institutes of Higher Learning (IHLs) where they designed and fabricated models of the trophy made with recycle materials.

A total of 16 teams of IHL students participated in this competition. The top five winning designs were displayed at the BCA Green Building Exhibition at Plaza Singapura in April 2011 for public viewing. The Gold Award design was also fabricated into the actual award to be given out to the recipients of the BCA-SGBC Green Building Individual Awards at the BCA Awards Night.