

Joint Media Release

NEW BCA-SGBC AWARDS RECOGNISE INDIVIDUALS' CONTRIBUTIONS TO SINGAPORE'S SUSTAINABLE BUILT ENVIRONMENT

Four distinguished individuals from the building industry were lauded by the Building and Construction Authority (BCA) and the Singapore Green Building Council (SGBC) for their continual and outstanding contributions towards the sustainability of Singapore's built environment. They will receive the **inaugural BCA-SGBC Green Building Individual Awards** at the BCA Awards 2011.

2 The winners were selected from a total of 35 candidates for the four award categories, namely *Green Architect*, *Green Engineer*, *Green Advocate* and *Green Innovator*. They were assessed by a well-represented panel of judges led by CEO, BCA, Dr. John Keung and Er. Lee Chuan Seng, the immediate past Chairman of SGBC. The panel of judges comprises established professionals and individuals from the public and private sectors who are actively involved in Singapore's green building journey. The four winners stood out because they have shown strong commitment, conviction and significant achievements in propelling environmental sustainability in their respective areas of works. They are:

Green Architect of the Year 2011

Mdm. Vivien Heng Cheng Sim

Director

RSP Architects Planners & Engineers Pte Ltd

Green Engineer of the Year 2011

Er. Tan Kiat Leong

Executive Director
Beca Carter Hollings & Ferner (Sea) Pte Ltd

Green Advocate of the Year 2011

Mr. Allen Ang Aik Leng

Deputy General Manager
City Developments Limited

Green Innovator of the Year 2011

Dr. Ho Nyok Yong

Technical Director / Director
Samwoh Corporation Pte Ltd

3 For Mdm. Vivien Heng, the Green Architect of the Year 2011, her leadership in the use of cost-effective and sustainable designs in her projects has helped buildings achieve high environmental performance. Her passion for the green cause and enthusiasm in harmonising nature and the built environment, are qualities that won her the recognition from the panel of judges.

4 Er. Tan Kiat Leong's relentless pursuit for the most effective green engineering solutions throughout his 20-year career as well as his keen attention for details and uncompromising attitude towards quality in his projects, are merits that impressed the judges to accord him the Green Engineer of the Year 2011 accolade. He had also demonstrated outstanding engineering capabilities in the design of Singapore's first Zero Energy Building at the BCA Academy, for which he received the Prestigious Engineering Achievement Award from the Institution of Engineers Singapore.

5 In his daily work, Mr. Allen Ang, the Green Advocate of the Year 2011, actively drives green innovation in his company's commercial and residential developments, which won several prominent accolades. For example, he has demonstrated strong leadership in the development of City Square Mall which became the first commercial development in Singapore to receive the prestigious BCA Green Mark Platinum award. Apart from his work, he also serves at the

grassroots as Chairman of the Green Committee, where he shares his views on green issues and raises awareness among the youth on pertinent environmental concerns.

6 True to being the Green Innovator of the Year 2011, Dr. Ho Nyok Yong has led many ground-breaking research projects in the recycling of waste materials and development of green products. For example, he led his team in researching into the use of recycled concrete aggregates (RCA) in structural concrete. The innovation was applied in the construction of the Samwoh Eco-Green Building, the first building structure in the region to be constructed using concrete with up to 100% RCA.

7 Commenting on the new awards, Dr. John Keung said, "I would like to congratulate all the outstanding winners of the inaugural awards. They are role models in our industry and we certainly need more of such committed individuals to share their expertise with the industry, and to help push the green building movement in Singapore towards greater heights. The new BCA-SGBC Green Building Individual Awards was introduced to recognise and spur green efforts in Singapore, and I hope that this would encourage more professionals in the industry to step up and contribute to our national target of greening at least 80% of Singapore's built environment."

8 Mr. Tai Lee Siang, President of the SGBC also applauded the winners' achievements and contributions. He added, "Tackling the environmental problems to bring about a greener built environment requires the expertise and passion of talented professionals in the building industry. The introduction of the BCA-SGBC Green Building Individual Awards is testament to the firm commitment of government and industry stakeholders to recognise the contributions of these outstanding individuals in green buildings and responsible practices. It is also our ardent wish to encourage talented individuals to aspire to even greater heights in creating a sustainable global city by illuminating the achievements of their predecessors."

9 The winners of the BCA-SGBC Green Building Individual Awards for the year 2011 will each receive a specially-designed trophy at the BCA Awards Night on 19

May. The trophy design is the creative result of an earlier “Trophy Design Competition” for tertiary students, organised by BCA and SGBC.

Issued by the Building and Construction Authority and the Singapore Green Building Council on 18 May 2011.

About Building and Construction Authority

The Building and Construction Authority (BCA) of Singapore champions the development of an excellent built environment for Singapore. At BCA, our mission is to shape a safe, high quality, sustainable and friendly built environment, as these are four key elements where BCA has a significant influence. In doing so, we aim to differentiate Singapore’s built environment from those of other cities and contribute to a better quality of life for everyone in Singapore. Hence, our vision is to have “the best built environment for Singapore, our distinctive global city”. BCA works closely with its education hub, the BCA Academy of the Built Environment, and industry partners to develop skills and expertise that help shape the best built environment for Singapore.

For more information, visit www.bca.gov.sg.

About Singapore Green Building Council

SGBC’s mission is to propel Singapore’s building and construction industry towards environmental sustainability by promoting green building design, practices and technologies; integrating green building initiatives into mainstream design, construction and operation of buildings; as well as enhancing capacity and professionalism to support wider adoption of green building development and practices in Singapore.

Its work will complement the government’s efforts to accelerate the greening of Singapore’s buildings by 2030, while at the same time provide opportunities to share knowledge with other countries in its climatic zone.

The SGBC membership is open to developers, contractors, manufacturers/suppliers, engineers, architects, institutions/associations, agencies and individuals concerned with or interested in transforming Singapore’s built environment towards a sustainable future.

Annex A: About the Award

The inaugural BCA-SGBC Green Building Individual Awards (建设局-新加坡绿色建筑委员会绿色建筑卓越个人奖) is a new award to accord recognition to individuals across the building and construction value chain for their consistent contributions and significant achievements in the development of a green and sustainable built environment.

Award Categories & Assessment Criteria

Green Architect of the year

- Contribution to the local green building development in the field of architecture
- Other green-related contributions in the local and international arena
 - Involvement in outreach programmes on green-related issues/themes through talks, seminar, presentation at conferences etc.
 - Involvement in green-related committees, bodies etc.
 - Endeavours to export/market Singapore green building expertise and Singapore Brand overseas
- Professional achievements covering his / her relevant qualifications, publishing technical papers, winning related accolades and enhancing the standing of built environment-related professions

Green Engineer of the year

- Contribution to the local green building development in the field of engineering
- Other green-related contributions in the local and international arena
 - Involvement in outreach programmes on green-related issues/themes through talks, seminar, presentation at conferences etc.
 - Involvement in green-related committees, bodies etc.
 - Endeavours to export/market Singapore green building expertise and Singapore Brand overseas
- Professional achievements covering his / her relevant qualifications, publishing technical papers, winning related accolades and enhancing the standing of built environment-related professions

Green Advocate of the year

- Contribution to the local green building development through his/her leadership in driving positive changes and active involvement in setting the trend / good practice
- Other green-related contributions in the local and international arena (in personal capacity) through outreach programme in the society and towards exporting the Singapore brand name

Green Innovator of the year

- The number of completed R&D projects and their impact in green building development
- Involvement in green developments and extent of actual adoption/incorporation of researcher's technology
- Other green-related contributions in the local and international arena through involvement in regional forums / outreach programme in the society and the conferment of related accolades

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.