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GREEN INNOVATOR: DR HO NYOK YONG, TECHNICAL DIRECTOR/DIRECTOR, SAMWOH CORPORATION PTE LTD

"As the term 'Innovator' suggests, the judging criteria rest upon the number of completed R&D projects and the impact of their innovation on green building development," Keung says. Ho led his team in researching the use of recycled concrete aggregate (RCA) for structural concrete applications, resulting in Samwoh Eco-Green Building, the first building in the region to use concrete with 100 per cent RCA.

"I've been actively involved in research and development of waste materials and green technologies for more than 20 years, and I don't think I'll ever stop," Ho commented with regard to his win. "The ultimate goal of green buildings in every nation is for the sustainability of future generations, and is especially so for resource-scarce Singapore." The use of RCA in construction projects, by recycling concrete wastes, helps Singapore become less dependent on other countries for resources.



GREEN ADVOCATE: ALLEN ANG, DEPUTY GENERAL MANAGER, CITY DEVELOPMENT LIMITED (CDL)

"Our green advocate was chosen based on his contributions to the local green building development through his leadership in driving positive changes," Keung says. Ang's strong leadership in the development of City Square Mall helped it become the first commercial development in Singapore to receive the prestigious BCA Green Mark Platinum award. He also serves at the grassroots as Chairman of the Green Committee, raising awareness among youth on pertinent environmental concerns.

"Green buildings are more than a fashion statement," Ang states. "As we move into an era of advanced technology and expensive natural resources, developers can't afford not to develop green. The hardest thing about being an advocate is to influence stakeholders and the community in Singapore, who are a sophisticated lot today, to practice green. Going green is about being considerate to others; taking ownership of the environment; keeping our country clean and green."



GREEN ENGINEER: TAN KIAT LEONG, EXECUTIVE DIRECTOR, BECA CARTER HOLLINGS & FERNER (SOUTHEAST ASIA) PTE LTD

"Tan's contributions as an engineer were impressive because he is one of the local pioneers to adopt green practices," Keung says. Tan 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.

"In my own home, I chose not to install air-conditioning. For 20 years of my working life, I walked to and from home and work daily. I do not own a car and I rely on public transport," Tan explains. For him, being environmentally conscious means using non-toxic building materials. "Buildings account for 40 per cent of primary energy consumption in most countries and the energy consumed in buildings contributes about 9G ton of CO₂ emissions globally. We can significantly reduce this figure by actively making buildings more energy-efficient using a combination of passive and active measures in design and operation."



GREEN ARCHITECT: VIVIEN HENG, DIRECTOR, RSP ARCHITECTS PLANNERS & ENGINEERS PTE LTD

Heng's 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. Says Heng, "In 1998 as project architect for the United World College of South East Asia at Dover Campus, I came to understand how impactful simple design features like light shelves, good orientation, shading and cross ventilation can enhance the environmental performance of buildings." Heng integrates a diverse range of sustainable living concepts to the buildings she designed. These include energy or water-efficient fittings, green building materials, sensitive landscaping as well as rainwater harvesting, and on-site recycling or waste sorting systems. "Current and future technologies can improve lives through new material innovations, more performative systems including modular systems, and smart technologies," she enthuses.