

# Pillars

WE SHAPE A SAFE, HIGH QUALITY, SUSTAINABLE AND FRIENDLY BUILT ENVIRONMENT | ISSUE 04/AUG-SEP 2011



**PIONEERS OF A**

**GREEN ERA**

► **Green Innovator of the Year 2011**

**Dr Ho Nyok Yong**  
 Director cum Technical Director  
 Samwoh Corporation Pte Ltd

Dr Ho, both a Director at the company as well as the Technical Director in charge of Research and Development, has more than 20 years of diversified experience in civil & environmental engineering. He delved into research on recycling materials and green technologies in a big way after realising that Singapore had no natural resources. His recent high-profile research project on the use of recycled materials for buildings produced innovative research findings that were applied to the construction of the Samwoh Eco-Green Building. This building structure, a first in the region to be constructed using up to 100% recycled concrete aggregate, is a prime example of reducing Singapore’s dependency on raw materials imported from foreign markets and has been awarded the BCA’s Green Mark Platinum Award.

Dr Ho has also spearheaded several other ground-breaking research projects in green innovation and development works, several of which are funded by government agencies. These include the development of a recycling technique that uses asphalt waste for road and airfield constructions (thereby easing the demand for natural aggregate and bitumen), use of incinerated bottom ash derived from refuse incineration for construction applications, carbon footprint assessments for green products, as well as the recycling of rubber tyres for asphalt mixes.

Besides his research activities, Dr Ho is also actively involved in many professional bodies. He is currently the President of Singapore Contractors Association (SCAL) and has received a number of other awards in recognition of his meritorious contributions to the projects that he was involved in.

“I’ve been actively involved in R&D of waste materials and green technologies for more than 20 years, and I don’t think I’ll ever stop campaigning for the green cause!”



Left | The Samwoh Eco-Green Building.



Middle | Laboratories in Samwoh where research and development for many of Dr Ho’s projects take place.



Right | Dr Ho was invited to share his extensive experiences on green innovation in conferences.

“I was born in a Kampong where trees and plants were aplenty, surrounding my home. Hence, I appreciated the ‘greens’ and believed the environment had cultivated my love for nature. When I was very young, I felt sad whenever I saw the damage done to nature due to urbanisation... That triggered me to dream of doing something meaningful to help to conserve the environment for the future.”

A TRUE TESTAMENT TO BEING AWARDED THE GREEN INNOVATOR OF THE YEAR, DR HO SPEAKS OUT ON HIS PASSION FOR ALL THINGS ‘GREEN’.