

# BUILDING A GREEN FUTURE.

GREEN IS THE WAY TO GO AS SINGAPORE MOVES TOWARDS GREENING OF BUILDINGS BY 2030, AND EMBRACES GREATER ENVIRONMENT SUSTAINABILITY.



THE SGBC LOGO OF TWO YOUNG GREEN LEAVES REPRESENTS PUBLIC AND PRIVATE STAKEHOLDERS IN SINGAPORE'S SUSTAINABLE DEVELOPMENT PROGRAMME; IT IS A SYNTHESIS OF INTERESTS ON A SINGLE STEM.



MR TAI LEE SIANG, SGBC'S PRESIDENT

## PRESIDENT'S MESSAGE

It is with great pleasure that I report on SGBC's increasingly conspicuous profile as we spearhead the Singapore building and construction industry towards greater environmental sustainability.

One of the key areas of the Singapore Green Building Council is to position Singapore as a knowledge hub on building sustainability in the tropics. To advance this cause, SGBC has taken on the role of certification body for green building-related products and services.

I am delighted to announce the pilot batch of SGBC certified products. 26 products from 11 companies have successfully met robust green building product requirements in different categories. You truly deserve the accolades for being the pioneers in this epic journey in the history of Singapore.

Also deserving of praise are all volunteers from the 8 taskforces for their efforts and contribution in the development of SGBP certification criteria.

Going green should not be merely symbolic. It should be the aspiration of all socially responsible corporations and businesses. I am encouraged by the number of companies who have submitted their products for certification. I am further heartened by others who have requested for new green criteria and categories of products to be developed. Such enthusiasm and green consciousness augur well for our nation. We look forward to working hand in hand with all green building products and services companies to propel Singapore as a glowing example of successful sustainable cities in the tropics.

## THE MISSION OF SGBC AN INDUSTRY-LED INITIATIVE

To propel the Singapore building and construction industry towards environmental sustainability by promoting green building design, practices and technologies, the integration of green building initiatives into mainstream design, construction and operation of buildings as well as building capability and professionalism to support wider adoption of green building development and practices in Singapore. Its works will complement and support the government's efforts to accelerate the greening of our buildings by 2030. At the same time we will be able to share our knowledge with other countries in our climatic zone.

## CHECK YOUR GREEN PULSE HERE: "GREEN BUILDING PRODUCTS" INCLUDE PRODUCTS THAT

- ✓ Are made with salvaged, recycled or agricultural waste content
- ✓ Save energy and water
- ✓ Conserve natural resources
- ✓ Contribute to a safe, healthy built environment
- ✓ Avoid toxic and other emissions



## WHAT IS SINGAPORE GREEN BUILDING PRODUCTS CERTIFICATION SCHEME?

The Singapore Green Building Product (SGBP) Scheme is the first dedicated green building product scheme to support the building industry and BCA Green Mark Scheme. Its assessment was formulated by close to 100 building professionals, academia, testing institutes and manufacturers to assess the level of environmental friendliness of building products in areas of safety, health, performance efficiency and environmental protection.

### WHY YOU SHOULD JOIN SGBC AS A MEMBER

- Gain access to the latest information for a sustainable built environment
- Have a say in the future direction of green building practices in Singapore
- Gain recognition of involvement and use of SGBC logo on business cards
- Access to industry's green building leaders
- Discounts on SGBC events

### BENEFITS OF SGBP CERTIFICATION

- Increase your competitive edge
- Enhance local & international business opportunities
- Branding as reputable partner
- Corporate Social Responsibility

"SGBC's Green Product Certification Scheme will create greater awareness of the benefits of energy efficient and environmentally friendly building products. The scheme provides an independent and reliable validation of building products currently in the market and will help designers in their selection of green building products. More importantly, the scheme complements BCA's Green Mark scheme in facilitating a market shift, and moves Singapore towards its goal of greening at least 80% of buildings by 2030."

MR LAM SIEW WAH, Deputy CEO (Industry Development) Building & Construction Authority (BCA)

"More Singapore infrastructure companies are adopting green features enabling them to be more competitive globally. SGBP Certification will further encourage more companies in the real estate and building sector to integrate green practices into their products. With rapid urbanisation and a growing environmental consciousness, it is all the more critical for Singapore companies to consider the green component in their business when bidding for overseas projects."

MR CHUA TAIK HIM, Deputy Chief Executive Officer, International Enterprise (IE) Singapore

For membership & certification details log on to our website at [www.sgbc.sg](http://www.sgbc.sg)

## OUR HEARTIEST CONGRATULATIONS TO THE PILOT BATCH OF COMPANIES WITH PRODUCTS CERTIFIED UNDER SGBP CERTIFICATION SCHEME

### PRESENTED WITH SGBP CERTIFICATION ON 23 MARCH 2011 :

- ABB PTE LTD
- ASSOCIATED PAN MALAYSIA CEMENT SDN BHD
- BORAL PLASTERBOARD (MALAYSIA) SDN BHD
- COAT-INNOVATIVE INTERNATIONAL PTE LTD
- HYDROBALL TECHNICS (SEA) PTE LTD
- JOHNSON CONTROLS (S) PTE LTD
- LAFARGE CEMENT SDN BHD (PASIR GUDANG PLANT)
- SCHNEIDER ELECTRIC SINGAPORE PTE LTD
- SUNLIGHT ELECTRICAL PTE LTD
- TRANE DISTRIBUTION PTE LTD
- WOODLAND EASIFLOR PTE LTD



### Coat Innovative International Pte Ltd

Through the innovative combination of Sol-Gel and Nano Technology, CI Coat is able to self-level, bond onto glass materials and effectively block out harmful UV and Infra-rays without compromising the original visibility and specifications of the glass. We are the first and only in the market to design, engineer and introduce the automated processing system for CI coating onto glass materials at high volume for new projects and developments internationally. As a Green Certified Product, CI is proud to prove its product superiority by generating for owners, energy savings from the chiller billing and electricity consumption.

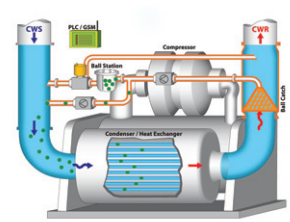


### HydroBall Technics (SEA) Pte Ltd

HydroBall Technics manufactures and markets its own Automatic Tube Cleaning (ATC) systems for use in commercial buildings, factories and process plants to prevent scaling and fouling in heat exchanger/ condenser tubes. This helps to prevent energy wastage which can be as high as 25%.

Obtaining the highest award in SGBP's product certification ("4-ticks") testifies to HBT's R&D philosophy of "offering Energy Saving green products that are green to operate and manufactured using green processes":

- (i) Environmentally-friendly manufacturing processes: First to have ISO-14001 accredited facilities for ATC products in Singapore;
- (ii) Environmentally-friendly product features: Complies fully with all seven attributes stated in SS553 Annex C "Specifications of Automatic Tube Cleaning System" i.e. system is Non-Powered™, amongst many other green features and does not require water to be discharged and wasted during operations.



### Lafarge Cement Sdn Bhd (Pasir Gudang Plant)

Two cement products of Lafarge Malayan Cement Berhad fulfilled the eligibility pre-requisite for the Singapore Green Building Products (SGBP) certification. They are the innovative and eco-friendly Mascrete LH and Phoenix; both manufactured using pulverized fuel ash, a by-product of coal fired power stations. This reduces the amount of clinker required to make cement, resulting in less CO<sub>2</sub> emission, less consumption of raw materials and lesser energy consumed per tonne of cement produced. Mascrete LH, a bulk cement, is able to lower peak concrete temperature, offer better resistance to sulphate, chloride and better long-term strength and durability. Phoenix, is a bagged cement that provides improved compactibility, cohesiveness and surface finish. These products deliver better concrete performance and are in high demand in special projects in Malaysia and Singapore.

With SGBP certification, Mascrete LH and Phoenix will have a competitive edge in BCA Green Mark Scheme and gain credibility among the new 'green generation of consumers'.



### Schneider Electric Singapore Pte Ltd

Okken & Blokset are Schneider Electric's low voltage switchboard for electrical distribution and motor control. They reduce equipment energy consumption while enhancing performance. The IPMCC solution has

- Progressive starters and variable speed drives which reduce consumption peak of 50% or more
- Measurements that define and monitor motor load profiles and consumption, thereby enhancing energy-efficiency.

Schneider Electric also designs and produces eco-compatible products

- Okken & Blokset product design uses materials that have least impact on the environment both in origin and in production
- Choice of materials is also dictated by the ease with which they can be recycled.

Our product design takes account of the various international recommendations, in particular the RoHS European directive. They contain no hazardous substances.



### Sunlight Electrical Pte Ltd

Sunlight Group endeavors to provide a sustainable means of power delivery and is a class leading manufacturer of power distribution products such as low voltage switchgear and motor control centres. With a spirit of innovation and pursuit of engineering excellence, Sunlight continually develops patented designs and type tested switchboards, unrivaled in the power distribution industry.

We provide reliable, safe and effective products and solutions, trusted by many industrial customers and real estate owners, in Singapore, Malaysia, Vietnam, Gulf region and across the Asia Pacific.

Our commitment to quality and environmental-consciousness reflects in our "Green" Switchboards. Having obtained SGBP Certification is also a telling story to our green commitment. Sunlight salutes our partners as we meet our Green objectives. Together we can build a brighter tomorrow.



### Trane Singapore

Most buildings in the tropical climate need HVAC system to achieve comfort for its occupants, and it contributes up to 60% of the total electrical consumption. Reducing energy and carbon emissions is the goal of Trane. As a leading HVAC equipment supplier for more than a century, we are pleased to participate in the pilot batch of Singapore Green Building Product (SGBP). The product certification scheme will be able to help the designers to assess more energy efficient, more environmentally friendly built products, complementing the existing Green Mark scheme by Building and Construction Authority (BCA).



### Woodland Easiflor Pte Ltd

In a world of fast-dwindling natural resources, we are committed to safe-guarding them and preserving our environment. With this in mind Woodlands easiflor accesses ethically logged raw materials as well as environmentally-friendly ones and oversees the tight manufacturing processes of each component of our flooring products.

Our partnering with SGBC maintains high standards of compliance, eco-friendliness and end-user safety as reflected in our products such as:

- (i) Eco-art strip-flooring – a totally 'green' product that is superior, high performance and durable. Feels and performs like solid hardwood timber
- (ii) Engineered hardwood floors with ease of installation and maintenance

Eco-friendly products is a way of life for Woodland Easiflor. In our eco drive towards greater environment sustainability, we'd like to take this opportunity to thank all our business partners who have helped us make it possible.

