

Green Building



“We are very proud of the latest achievement of Starbucks Coffee, Porto Chino’s branch, which is certified by LEED standard with Gold Level. I would like to thank our green alliance ‘SCG Cement-Building Materials’ for determination of working together with us, as well as advice on choosing building materials for our green coffee shop.”

Murray Darling
 Managing Director
 Starbucks Coffee
 (Thailand) Co.,Ltd.

Sustainable architecture is derived from a design and development approach starting from construction to building utilization. SCG has developed innovations, products and services in line with customer’s and consumer’s demands and applied the concept to its head office as a prototype building by renovating our over a 25-year-old buildings and constructing a new building (SCG 100 Years Building) into green buildings meeting the international standard-Leadership in Energy and Environmental Design (LEED). SCG also expanded the experience it gained towards green building consultations for external organizations including commissioning of buildings to be renovated and constructed, recommending green products and services, and establishing a consultancy business to support the development of sustainable architecture to be in line with economic and social systems that continuously change and grow.

SCG 100 Years Building

The design concept of the SCG 100 Years Building is derived from the idea of sustainable coexistence between organization and surrounding community, and an organizational culture and vision to sustainability that responds to the demand of people of several generations including the new generations who are becoming the main resources of the company. It is a landmark, with unique shape that wavers and not geometric shape, has a shady landscape which can be used as a resting area and other functions and, most importantly, promotes the betterment of employee’s health and life at workplace.

- 1 Increase green areas to more than 50 percent of open space
- 2 Set up parking spaces for bicycles and special parking spaces for Eco Cars
- 3 Reduce water consumption by using water-saving sanitary wares
- 4 Treat Wastewater and use rainwater to water all plants onsite
- 5 Broaden building balconies around the building to provide shade
- 6 Install heat prevention glass with low heat transfer coefficient (U Value 1.55 watt per square meter Kelvin)
- 7 Use T5 energy saving lamps and LED lamps
- 8 Install a high efficiency chiller (COP 6.5) and no CFC substance
- 9 Install Solar Cell generating alternative energy of 99,000 kilowatt-hours per year
- 10 Use products that are composed of recycled materials
- 11 Use local materials in order to reduce transportation
- 12 Recycle wastes from constructions by 91 percent
- 13 Reduce the use of hazardous chemicals, paints, coatings and adhesives which has low VOC
- 14 Manage the building with Building Automation System



More energy saving according to ASHRAE standard

32%

