

Green and Gracious Builder Award

The Award

The Green and Gracious Builder Award was developed to raise environmental consciousness and professionalism of builders. It recognises progressive builders who take the effort to address environmental and public concerns arising from construction works and hence enhance the image of the industry. The award strongly supports BCA's efforts to promote sustainability and environmental protection during the construction phase of buildings.

The Award is based on good international practices and was conceived in consultation with industry players. The Award has the following key features:-

- a. Focus **on both green and gracious aspects** which have high impact on the public to provide recognition of their efforts and achievements;
- b. Start on a **voluntary basis** to encourage builders to take ownership;
- c. Apply at **company level** to encourage builders to implement best practices on their sites consistently; and,
- d. Adopt a **tiered rating system** to quantify performance and enable differentiation of performance standards among builders to encourage continual improvement. This year, a higher tier "Star" category has been introduced to differentiate and recognise builders which stand out from the rest. A lower tier "Certified" category has also been set up to provide basic entry level standards to encourage new entrants.

Types of Award

- Star
- Excellent
- Merit
- Certified

Firms are assessed on their construction projects in the following areas:

- Green (50 points):** To encourage environmentally friendly best practices such as the use of recycled materials and the reduction of energy and water consumption on site.
- Gracious (40 points):** To encourage gracious best practices which address public needs and concerns, such as enhanced communications, consideration for public accessibility, mitigating noise and vibrations, minimising, if not eradicating disturbance in the vicinity and neighbourhood.
- Innovation (10 points):** To recognise firms which have adopted innovative solutions or technologies to address environmental concerns, site challenges, productivity and/or minimise the concerns of the public.

In addition, **Bonus points of up to 5 points** could be given to recognise outstanding achievements by the firms, such as relevant construction industry awards obtained and the number of Green Mark projects which the firm has carried out.



Green and Gracious Builder Award

Dragages Singapore Pte Ltd

★ Star



Key Features:

- Extensive use of precast components, including precast planks, window facades, staircases, planter boxes, refuse chutes.
- Use of Green Concrete (comprising recycled materials like recycled coarse aggregate and washed copper slag) for superstructure.
- Toilet at project site was conferred the 5 Star Happy Toilet Award from the Restroom Association (Singapore).
- Organised regular recreational activities for staff and workers.
- Implemented Productivity, Quality, Safety, Environmental (PQSE) Challenge Scheme to promote all-rounded performance of project groups.
- Generators were placed at a designated location and surrounded with noise barriers.
- Preservation of trees at project sites.

Green and Gracious Builder Award

Hyundai Engineering & Construction Co Ltd

★ Star



Key Features:

- Use of water recycling plant to recycle water for washing bays and cleaning of toilets.
- Extensive use of bio-diesel for builder's equipment and machinery.
- Ensure welfare of staff and workers by conducting daily morning exercises and providing adequate training.
- Provided pre-construction environmental impact and risk analysis reports to clients for all projects.
- Extensive use of Aluminium Formwork.
- Extensive use of ACS System Formwork to improve productivity.
- Use of jack-in piles to reduce noise pollution.

Green and Gracious Builder Award

Ho Lee Construction Pte Ltd

★ Excellent

Key Features:

- Use of Diamond Cutter to reduce noise when removing parapet wall in upgrading projects.
- Use of vacuum cleaners in grinder to reduce dust during grinding operations.
- Use of Core & Trim Method during pipe socket replacement to improve productivity.
- Use of Latex Injection Method during corridor repairs to reduce vibration and dust.
- Provision of bicycle bay and air conditioning units for school next to a project site.

Millennium International Builders Pte Ltd

★ Excellent

Key Features:

- Extensive use of Aluminium Formwork to increase productivity.
- Purchased new passenger hoist and concrete pumps to improve safety and productivity.
- Use of jack-in piles to reduce noise pollution.
- Conservation of existing trees at project sites.
- Use of water efficient fittings in the site toilets.

Teambuild Construction Pte Ltd

★ Excellent

Key Features:

- Use of Mesh Barricade System to reduce the usage of timber.
- Use of precast lift motor room roof slab to increase productivity.
- Recycling of PC roofing slab for footpath.
- Use of sensor together with 4.5m height limit barrier, and trial planting of plants at site entrance hoarding.
- Provision of screen wall partition during construction of lift landing to reduce dust and noise.

Green and Gracious Builder Award

Chang Hua Construction Pte Ltd

★ Excellent

Key Features:

- Extensive use of acoustic wall system to reduce wet trade and to increase productivity.
- Extensive use of ALUMA frame and table form to increase productivity.
- Provided a comprehensive method of statement for demolition work. The demolition work was carried out with the intention of salvaging and recycling suitable materials.
- Extensive use of Eco-concrete.
- Use of solar panel for noise meters.

Hexagroup Pte Ltd

★ Merit

Key Features:

- Use of VMS system to warn motorist of traffic conditions.
- Use of eco-concrete for construction of road kerbs and sub-base of roads.
- Use of Traffic Crash Cushion Vehicle to soften the impact should vehicles crash into the work zone.
- Use of concrete safety barriers in place of water barriers during excavation work to protect workers.
- Use of jack-in pile to reduce vibration and noise.