

News Release

19 May 2011

CDL WINS INAUGURAL BCA GREEN MARK PLATINUM CHAMPION AWARD

As a green and responsible developer, CDL has been advocating the development of Green properties for many years, recognising the impact buildings may have on the environment and investing much time and resources to harness knowledge towards this goal.

At the Building Construction Authority (BCA) Awards 2011 to be held this evening at Resorts World Sentosa, Singapore, CDL will be accorded the inaugural **BCA Green Mark Platinum Champion Award**, in recognition of its sustained efforts and outstanding achievement in environmental sustainability. The Company is the first and only recipient of this prestigious honour, making the property pioneer, an undisputed leader in developing green buildings in Singapore.

The prestigious BCA Green Mark Champion Award is conferred to leading developers and building owners who have demonstrated strong commitment towards Corporate Social Responsibility (CSR) by actively promoting and driving Singapore's green building movement. To qualify for the prestigious Platinum status, at least 15 Green Mark Platinum projects will need to be achieved.

Since the inception of the BCA Green Mark scheme in 2005, CDL has been extremely supportive of this initiative and is the most decorated Green Mark private developer to date, with 50 Green Mark projects rated Gold and above, including 16 Platinum and 16 Gold^{Plus} projects. In fact, CDL has now set the bar even higher with the Company's "green" standard being a minimum BCA Green Mark Gold^{Plus} for all new developments.

Prior to this win, CDL was also the sole winner of the inaugural BCA Green Mark Champion Award when it was launched in 2008, and is still the first and only recipient of the BCA Built Environment Leadership Platinum Award in 2009.

The Company's ongoing efforts to ensure quality, productivity, safety and sustainable and responsible practices also saw it taking home seven Construction Excellence Awards, seven inaugural Construction Productivity Awards (including four Platinum) and one Universal Design Award. In total, CDL will be receiving 33 Awards at the BCA Awards 2011, the most for any company to date.

CDL takes a holistic life-cycle approach towards environmental sustainability, adopting a 3-pronged approach as part of its corporate green strategy to develop eco-friendly properties, manage buildings in a cost-effective and energy-efficient way and influence stakeholders to be more environmentally-conscious.

"Climate change presents both challenges and opportunities to the building industry to mitigate its impact on the environment. As a leading property developer and amongst Singapore's largest landlords, CDL has embraced environmental responsibility as an integral strategy for continued growth and business excellence, conserving as we construct for over a decade. We are proud to have been the first Green Mark Champion in 2008 and now the inaugural Green Mark Platinum Champion. We remain committed to driving green building innovation and achieving new benchmarks in environmental sustainability," said Mr Kwek Leng Joo, Managing Director of CDL. Please refer to Annex 1 for the full list of awards received by CDL at the BCA Awards 2011 and BCA Green Mark Awards to-date. Refer to Annex 2 for the green fact sheet for CDL's BCA Green Mark Platinum developments awarded this year.

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ANNEX 1

LIST OF CDL'S WINS AT THE BCA AWARDS 2011

Construction Excellence Awards	 City Square Residences (Award) 7 & 9 Tampines Grande (Award) The Solitaire (Award) Botannia (Merit) Buckley 18 (Merit)* City Square Mall (Merit) 11 Tampines Concourse (Merit)
Construction Productivity Awards	 Parc Emily (Platinum) St. Regis Hotel & Residences, Singapore (Platinum) The Arte (Platinum) The Sail @ Marina Bay (Platinum) City Square Residences (Gold) The Oceanfront @ Sentosa Cove (Gold) The Solitaire (Gold)
Universal Design Awards	 Tribeca (Bronze)
Green Mark Awards	 <u>Platinum</u> 368 Thomson (Residential) Fuji Xerox Towers (Commercial)** H₂O Residences (Residential) Hundred Trees (Residential) Quayside Isle (Commercial) The Glyndebourne (Residential)* <u>Gold</u>^{Plus} 9-11 Buckley (Residential) City Square Mall Management Office (Green Mark for Office Interior) Condominium at Leonie Hill (Residential) Condominium at Pasir Ris Grove – Parcel 3 (Residential) King's Centre (Commercial) Plaza By The Park (Commercial)** <u>Gold</u> CDL Office – City House Levels 3, 4 & 22 (Green Mark for Office Interior) CDL Office – Republic Plaza Level 36 (Green Mark for Office Interior) City Square Shophouses at Jalan Besar (Residential) City House (Commercial)** Central Mall Office Tower (Commercial)**

* Project managed by CDL ** Recertified

LIST OF CDL'S AWARD-WINNING GREEN MARK DEVELOPMENTS (2005 – 2011)

2011		
Green Mark Platinum	 368 Thomson Fuji Xerox Towers** H₂O Residences Hundred Trees Quayside Isle The Glyndebourne* 	Residential Commercial Residential Residential Commercial Residential
Green Mark Gold ^{Plus}	 9-11 Buckley Condominium at Pasir Ris Grove – Parcel 3 Condominium at Leonie Hill City Square Mall Management Office Plaza By The Park** King's Centre 	Residential Residential Residential Green Mark for Office Interior Commercial Commercial
Green Mark Gold	 City Square Shophouses at Jalan Besar City House** Palais Renaissance** Central Mall (Office Tower)** CDL Office – City House Levels 3, 4 & 22 CDL Office – Republic Plaza Level 36 	Residential Commercial Commercial Green Mark for Office Interior Green Mark for Office Interior
2010		
Green Mark Platinum	 Cube 8 Tree House Volari W Singapore Sentosa Cove 	Residential Residential Residential Commercial
Green Mark Gold ^{Plus}	 NV Residences 	Residential
Green Mark Gold	 Millennium Residence @ Sukhumvit Plaza By The Park 	Residential Commercial

2009		
Green Mark Platinum	 The Residences at W Singapore Sentosa Cove 	Residential
Green Mark Gold ^{Plus}	 The Arte Livia 11 Tampines Concourse CDL Office – City House Levels 2 & 5 	Residential Residential Commercial Green Mark for Office Interior
Green Mark Gold	 Anderson 18 New Tech Park Republic Plaza** 	Residential Commercial Commercial
Green Mark Certified	 Pantech 21** 	Industrial
2008		
Green Mark Platinum	 Cliveden at Grange The Solitaire 7 & 9 Tampines Grande 	Residential Residential Commercial
Green Mark Gold ^{Plus}	Wilkie StudioShelford Suites	Residential Residential
Green Mark Gold	 One Shenton City House Fuji Xerox Towers 	Residential Commercial Commercial
Green Mark Certified	Central Mall (Office Tower)Palais Renaissance	Commercial Commercial
2007		
Green Mark Platinum	 The Oceanfront @ Sentosa Cove City Square Mall 	Residential Commercial
Green Mark Gold ^{Plus}	 Buckley 18* 	Residential
Green Mark Gold	 Botannia 	Residential

2006		
Green Mark Gold ^{Plus}	 City Square Residences St. Regis Hotel & Residences, Singapore 	Residential Mixed Development
Green Mark Gold	TribecaThe Sail @ Marina Bay	Residential Residential
2005		
Green Mark Gold	 Residences @ Evelyn Monterey Park Condominium Parc Emily Savannah CondoPark Republic Plaza 	Residential Residential Residential Residential Commercial
Green Mark Certified	 Butterworth 33 The Pier at Robertson Pantech 21 	Residential Residential Industrial

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ANNEX 2

FACT SHEET

H₂O Residences



Nestled in the heart of Sengkang New Town, the 521-unit H_2O Residences is a nature-inspired development offering breathtaking unobstructed views of the lush surroundings and charming waterways.

This BCA Green Mark Platinum award winning development is designed to integrate with the surrounding water bodies and park and is the firstof-its-kind development which connects residents to an active riverfront lifestyle. It was also awarded the ABC Waters (Active, Beautiful, Clean) Waters certification from Public Utilities Board (PUB).

Approximately 1.26% of the total construction cost was invested into the development of the condominium's green innovations, which is expected to result in energy savings of over 2,379,623 kWh per year and total water savings of 41,161.21 m³ per year.

GREEN FEATURES	BENEFITS
 Designed for Energy Efficiency Passive and Low Energy Architectural design and good building orientation (North-South orientation) Installation of energy efficient inverter air-conditioning (with 4 Green Ticks Energy Label) Extensive use of external shading devices Extensive use of energy efficient light fittings and LED for common areas and motion sensors for lighting at common areas 	 Minimise external heat gain and to achieve maximum daylight harvesting Enjoy energy savings from the energy efficient air-conditioners Allow for energy conservation and achieving low Residential Envelope Transmittance Value (RETV) Reduction of overall energy cost (estimated at over \$475,000 per year for whole development)
 Designed for Water Efficiency Installation of water efficient sanitary fixtures and fittings (with Water Efficiency Labelling Scheme) such as tap fittings, shower mixers and water closets Incorporation of a rainwater harvesting system for the irrigation of landscape 	 Achieve water savings estimated at 35,181 m³ per year Monitors water usage and reduce water wastage

 Designed for Good Indoor Environmental Quality and Environmental Protection Lush green landscaping incorporated in the surround facades Achieved the ABC Waters certification by PUB Construction of Rain Garden to detain and treat rain water through using filter media and water plants 	 Serves to reduce urban heat island effect while providing Integration of water features with site architecture that not only beautifies the surrounding but encourage biodiversity and brings residents closer to nature Cleans up the surface runoff water without the use of chemicals and encourages biodiversity in the development
 Design Innovation and Other Green Features Provision of double refuse chute with pneumatic waste collection system (for the segregation of domestic and recyclable waste) Use of sustainable materials during construction 	 Encourages recycling to protect the environment Promotes conservation of natural resources

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368 Thomson



The iconic 36-storey tower located along Thomson Road, 368 Thomson is an exclusive 157-unit residence that is designed to offer an unobstructed breathtaking vistas of the city skyline and surrounding greenery.

Like a finely-crafted bejewelled artifact, 368 Thomson is oneof-its-kind eco-friendly development showcasing "Green Living" for the residents in the best possible ways.

Approximately 4.04% of the total construction cost was invested into the development of the condominium's numerous green innovations, which is expected to result in energy savings of over 934,274 kWh per year.

GREEN FEATURES	BENEFITS
 Designed for Energy Efficiency Use of high performance glazed glass for facade Installation of energy efficient 4-ticks air-conditioners in all units for energy savings Extensive use of energy efficient light fittings and LED Incorporation of smart, energy efficient features such as the Variable Voltage and Variable frequency motor drive and sleep mode programming for all lifts and motion sensors for lighting at common areas Installation of solar panel 	 Reduces indoor temperature Annual energy savings of approximately 934,274 kWh Estimated total energy consumption for common facilities of 48.56kWh/m² per year
 Designed for Water Efficiency WELS rated water-efficient sanitary fittings are used for water closet, basin and sink mixer. Installation of water sub-meters to monitor all major water usage Incorporation of rainwater harvesting and drip irrigation system to irrigate the entire 	 Estimated annual water savings of 22% as compared to non WELS rated fittings Water savings and detection of possible leakage leading to abnormal water consumption Potential annual water savings of about 60.42%
 Designed for Good Indoor Environmental Quality and Environmental Protection Use of materials / products with at least 30% recycled content by weight or volume, including the composite timber at trellis, 10mm EPDM rubber and 40mm recycled SBR base rubber flooring for the playground and SGLS certified concrete blocks for boundary wall Use of low VOC paints for interior walls in all apartment units 	 Promotes conservation of natural resources Improve occupational health and comfort of residents

 Design Innovation and Other Green Features Dual-chute pneumatic waste collection system (for the segregation of recyclable and non-recyclable waste) as well as the provision of recycling bins Common area are designed with open parapet and the units are designed with wide windows and deep balconies 	 Encourages recycling and environmental conservation amongst residents Optimise day lighting and ventilation for better air quality while the deep balconies minimise direct solar radiation
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Hundred Trees



Embraced by lush landscaping across the sprawling 267,598 square feet site, Hundred Trees is a 396-unit premium development located at the idyllic West Coast area.

This BCA Green Mark Platinum award winning development, with its extensive and distinctive landscaping will meld seamlessly with the surrounding greenery while at the same time, rejuvenating the matured residential enclave.

Approximately 4.51% of the total construction cost was invested into the development of the condominium's green innovations, which is expected to result in energy savings of over 3,995,413 kWh per year and total water savings of 15,912 m³ per year.

GREEN FEATURES	BENEFITS
 Designed for Energy Efficiency Use of 12.76mm thick tinted laminated glass and 10mm thick tinted glass at the building facades Provision of 150mm thick external wall and uses environmentally friendly and thermal insulating paint for the East and West facing external walls Installation of energy efficient inverter air-conditioning (with 4 Green Ticks Energy Label) Provision of vertical and horizontal sun-shading, RC ledges and balcony Extensive use of energy efficient light fittings Incorporation of smart, energy efficient features such as the Variable Voltage and Variable frequency motor drive and sleep mode programming for all lifts and motion sensors for lighting at common areas such as staircases, lift lobbies and changing rooms 	 Minimise external heat gain and reduces indoor temperature Ability to reflect heat and provides the necessary thermal insulating effect to cool the interiors Enjoy energy savings from the energy efficient air-conditioners Achieves an estimated overall energy savings of over \$799,083 per year for whole development)
 Designed for Water Efficiency Installation of water efficient sanitary fixtures and fittings (with Water Efficiency Labelling Scheme) such as tap fittings, shower mixers and water closets Installation of water sub-meters to monitor water usage for common facilities such as landscape irrigation, swimming pools, hot tub and all water features 	 Achieve water savings estimated at 15,912 m³ per year Monitors water usage and reduce water wastage

 Sustainable Construction Methodology Site / Project Development and Management Practices Use of recycled aggregates for road kerbs, wheel stopper and drain channel Eco-concrete used to construct the concrete footpath 	 Promotes conservation of natural resources
 Designed for Good Indoor Environmental Quality and Environmental Protection Installation of an energy efficient mechanical ventilation system such as the ductless jet fan system in the car park. Use of low VOC paints for interior walls in all apartment units 	 Reduce maintenance costs, while ensuring safety Improve occupational health and comfort of residents
 Design Innovation and Other Green Features Provision of double refuse chute with pneumatic waste collection system (for the segregation of domestic and recyclable waste) 	 Encourages recycling to protect the environment

Quayside Isle



Designed and built with environmental sustainability in mind, The Quayside Isle is an integrated development comprising a branded luxury hotel, prestigious condominium and specialty F&B/retail located within the exclusive gated community at Sentosa Cove.

Approximately 4.7% of the total construction cost was invested into the development of the F&B/ retail development's numerous green innovations, which is expected to result in an annual overall energy and water savings of over 1,365,392 kWh and 10,684 m³ respectively.

Strategically designed to maximise the surrounding views, this development is awarded the BCA Green Mark Platinum, the highest rating awarded to green buildings in Singapore.

GREEN FEATURES	BENEFITS
 Designed for Energy Efficiency Extensive use of Solar Photovoltaic Panels as part of the architectural roof design Use of high performance glass double glazed glass for external façade Installation of heat recovery system to produce hot water 	 Estimated to generate approximately 54,928 kWh/yr of energy Reduce heat transmission while retaining the required acoustic properties Improves the efficiency of the water
 to be supplied to large restaurant kitchens Deployment of motion sensors at all toilets and staircase and installation of LED light fittings for common area 	 heating system thus reducing the amount of energy needed to heat up the water Turns off the lighting when not in use, hence reducing energy consumption
 Designed for Water Efficiency Installation of waterless urinal in all male toilets Incorporation of the rainwater harvesting system used for irrigation purposes 	 Reduces the amount of potable water expended in flushing toilets hence leading to water savings Potential water savings estimated at 15% annually
 Designed for Good Indoor Environmental Quality and Environmental Protection Installation of an energy efficient mechanical ventilation system incorporating the ductless jet fan system with carbon monoxide sensors for the basement car park 	 Provides a well-ventilated car park and ensures that smoke purging is not compromised during fire incidents

 Design Innovation and Other Green Features Multiple dual-chute pneumatic waste collection points (one in each F&B unit) as well as six general trash collection points for the retail units The passive design of the development uses extensive shade / canopy on the west facing facade 	 Promotes and educates tenants on the importance of recycling and conservation of environment Allow for natural day lighting and to provide a naturally ventilated environment for the tenants and patrons
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The Glyndebourne



Nestled amidst the charming tranquility of Bukit Timah, The Glyndebourne draws inspiration from the rich, impeccable and historic charm of the famed Glyndebourne opera theatre.

In line with the Green Mark agenda promoted by the government, this Green Mark Platinum award winning development is designed to have lush greenery to provide a green buffer, shading and noise control from the surrounding.

Approximately 5.34% of the total construction cost was invested into the development of the condominium's green innovations, which is expected to result in energy savings of over 2,406,576 kWh per year and total water savings of 14,608,48 m³ per year.

GREEN FEATURES	BENEFITS
 Designed for Energy Efficiency Installation of solar panels on the roof of the Club house to harvest solar energy to be used in supplementing the power consumption of the carpark lighting Use of motion sensors within common areas, staircases and common toilets. Incorporation of the Variable Voltage and Variable frequency motor drive and sleep mode programming for all lifts and motion sensors for lighting at common areas 	 Estimated annual generation of 12,775 kWh/ yr Provides an estimated 10% savings in the lift operational costs
 Designed for Water Efficiency Incorporation of the rainwater harvesting system and use of condensate water for irrigation purposes Installation of water efficient sanitary fixtures and fittings (with Water Efficiency Labelling Scheme) such as tap fittings, shower mixers and water closets 	 An estimated 21.4% of annual potable water usage is offset, which approximates to \$20,000 annual savings Achieve an estimated annual 25% reduction of potable water usage for Domestic usage

 Sustainable Construction Methodology Site / Project Development and Management Practices Use of sustainable materials such as green labelled laminates, water proofing system and dry wall partition Use of materials / products with at least 30% recycled content by weight or volume, including recycle aggregate for car park wheel stoppers, pre-cast drain and road kerb, recycled rubber for playground, composite wood for duck as well as recycled drain cells for landscape 	 Promotes conservation of natural resources
 Designed for Good Indoor Environmental Quality and Environmental Protection Use of low VOC paints for interior walls in all apartment units and low VOC adhesives 	 Improve occupational health and comfort of residents
 Design Innovation and Other Green Features Provision of double refuse chute with pneumatic waste collection system (for the segregation of domestic and recyclable waste) Installation of dustless fan system with carbon monoxide sensors for the basement car park. 	 Encourages recycling to protect the environment Ensuring safety while controlling ventilation

Fuji Xerox Towers



Fuji Xerox Towers, a 30-storey commercial building comprised of a 3-storey basement carpark, an annexed 4-storey podium block with mixed retail/office unites and cafeteria at the atrium with natural ventilation.

In December 2005, Fuji Xerox Towers was conferred the Energy Smart Label Award from the Energy Sustainability Unit of the National University of Singapore and Singapore's National Environment Agency.

This BCA Green Mark Platinum award winning development has implemented numerous energy conservation initiatives over the past few years and has achieved a 34% reduction in electricity consumption over the last 4 years.

GREEN FEATURES	BENEFITS
 Designed for Energy Efficiency Retrofitting of the air-conditioning system to improve the efficiency of the chiller and to implement a chiller optimisation programme Installation of the "Automatic tube-bush cleaning" (ATB) system as part of the chiller plant retrofit 	 Achieved substantial reduction in energy consumption by 50% in the chiller plant system, resulting in an impressive 2,378,000 kWh annual savings in energy Ensures that the chiller tubes achieve optimum efficiency that leads to 10- 20% savings in total energy cost.
 Use of double glazed blue façade with low glass shading coefficient value and the skylight roof at the south west facing atrium allows natural daylighting to light up the entire atrium Replacement of existing T8 fluorescent fittings with magnetic ballast to energy efficient T5 fluorescent fittings with electronic ballasts. All exit lightings were also replaced with LED Use of motion sensors in staircases and photovoltaic sensors at carpark entrance and exit 	 Provides effective shading from the heat while the natural daylighting allows in reduction in energy consumption Total savings from energy saving measures to lighting systems amount to 266,000 kWh annually.

Designed for Good Indoor Environmental Quality and Environmental Protection	
 Extensive greenery of more than 37 palm trees, shrubs, hedges, flowering plants and grasses 	 Provide a clean air atmosphere and helps to reduce "urban heat island" effects
 Adoption of the "1°C Up" Campaign, where the air- conditioning temperature in the office are raised by 1°C (from 23°C to 24°C) 	 Contributes to an energy saving of 289,000 kWh/yr, translating to a reduction in carbon emissions by about 144.5 ton yearly
 Design Innovation and Other Green Features Provision of dedicated recycling corners and recycling bins 	 Encourages recycling to protect the environment