



**CITY
DEVELOPMENTS
LIMITED**

News Release

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BCA AWARDS 2019

CDL CONFERRED QUALITY EXCELLENCE AWARD – QUALITY CHAMPION (PLATINUM) FOR SEVEN CONSECUTIVE YEARS

- **The only developer to be consistently recognised with this award since 2013**
- **In 2018, CDL's completed developments achieved an average CONQUAS score of 97.2**
- **Upcoming Piermont Grand Executive Condominium received highest-tier Green Mark Platinum, and Universal Design Mark Gold^{PLUS}**

At the Building and Construction Authority (BCA) Awards 2019, City Developments Limited (CDL) has emerged as the only developer to be conferred the Quality Excellence Award – Quality Champion (Platinum) for seven consecutive years. This award recognises leading progressive developers and builders for their commitment and achievement in delivering high quality homes through workmanship excellence and quality assurance programmes.

Mr Sherman Kwek, CDL's Group Chief Executive Officer, said, "At CDL, we have put in a lot of effort into building up and maintaining a strong and sustainable reputation over the years. We continuously refine the way we build so as to enhance the quality and performance of our buildings as we endeavour to set new benchmarks. We are very honoured that BCA has consistently recognised our efforts and once again bestowed upon us the prestigious Quality Champion (Platinum) award. This is a testament to our strong commitment to quality which enhances our brand and product differentiation."

Mr Hugh Lim, BCA's Chief Executive Officer, said, "BCA is proud to confer the Quality Champion (Platinum) award to CDL for the seventh consecutive year since the inception of Quality Excellence Award in 2013. CDL has been a supportive industry partner and pioneered the adoption of BCA's Quality Mark Scheme which aims to help developers consistently deliver high quality homes. We hope that more developers will be inspired by their success story and embark on a similar journey to ensure high quality projects."

In 2018, all five of CDL's completed developments achieved an average score of 97.2 under BCA's Construction Quality Assessment System (CONQUAS). Introduced in 1989, CONQUAS serves as the industry benchmark for quality and workmanship standards of construction projects in Singapore. Although it was not mandatory for private sector projects to subscribe to CONQUAS, CDL has consistently pushed for all its projects to be assessed since the system was introduced.

Setting benchmarks in environmentally-friendly buildings

Over the years, CDL has implemented various initiatives to develop environmentally-friendly buildings. Sustainability considerations are factored into the entire life-cycle of its developments, from concept design to construction and building management. Besides setting a minimum target for all its new developments to be Green Mark Gold^{PLUS} certified, which is two tiers above the mandatory Green Mark certification level, CDL invests a certain percentage of a project's construction cost in green design and features. In addition, CDL aims to achieve at least Gold^{PLUS} for the Universal Design certification of all its new developments to create an inclusive and barrier-free built environment.

CDL's upcoming Piermont Grand Executive Condominium (EC) at Sumang Walk, for example, has clinched the highest-tier Green Mark Platinum, and the Universal Design Mark Gold^{PLUS}. The 820-unit luxurious waterfront EC will also feature a Smart Energy and Water Monitoring System, with water leak detection algorithm, to track and manage power and water usage in the common areas. Piermont Grand's energy- and water-efficient features enable the development to achieve total energy savings of approximately 1,144,202 kWh per year and water savings of approximately 73,881 m³ annually. This translates into an estimated reduction of over 572 tonnes of carbon dioxide emission each year.

In addition to Piermont Grand, CDL's City House office development in Singapore's Central Business District has been recertified Green Mark Platinum. CDL's residential developments Amber Park, Boulevard 88, Whistler Grand and joint-venture development in Sengkang Central have been awarded Green Mark Gold^{PLUS}.

Active tenant engagement for collective low-carbon practices

As user behaviour is equally important for achieving a building's overall energy efficiency, CDL has actively engaged its commercial tenants to adopt low-carbon practices. In 2014, the CDL Green Lease Partnership Programme was introduced to support and encourage its commercial tenants to reduce their energy consumption and environmental footprint. Under the Programme, CDL's Green Lease Ambassadors guide tenants to green their offices and act as their consultants for the BCA Green Mark Office Interior certifications. To further encourage its tenants to save energy, CDL gives them an electricity rebate when they attain savings over the previous quarter's bill.

In recognition of its tenant engagement efforts, CDL's Republic Plaza Tower 1 was conferred the Green Mark Pearl Award. Republic Plaza is a Grade A office development located at Raffles Place in the heart of Singapore's Central Business District. One of its tenants, Distrii Singapore Pte Ltd, adopted the use of 100% LED lighting and achieved more than 50% improvement in lighting power density. Another tenant, Bank of Singapore Limited, implemented proper zoning and scheduling control with toggle switches for air conditioning and lighting, to minimise energy consumption after office hours. Distrii, Bank of Singapore Limited, Latham & Watkins LLP, Clearstream Banking S.A, China Construction Bank Corporation, Singapore Branch and 17 other office tenants have achieved Green Mark certification.

For more information, please refer to:
Annex A – List of CDL's BCA Awards 2019
Annex B – Fact sheet on CDL's award-winning projects

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Annex A

BCA AWARDS 2019 – LIST OF CDL’S AWARDS

Award	
QUALITY EXCELLENCE AWARD	Quality Champion (Platinum)
CONSTRUCTION PRODUCTIVITY AWARD (ADVOCATE)	Gold
PROJECT AWARDS	
GREEN MARK AWARD	<u>Platinum</u> <ul style="list-style-type: none"> • City House* • Piermont Grand <u>Gold^{PLUS}</u> <ul style="list-style-type: none"> • Amber Park • Boulevard 88 • Sengkang Central • Whistler Grand
GREEN MARK PEARL AWARD	<u>Pearl</u> <ul style="list-style-type: none"> • Republic Plaza Tower 1
UNIVERSAL DESIGN MARK AWARD	<u>Gold^{PLUS}</u> <ul style="list-style-type: none"> • Coco Palms • Forest Woods^ • Piermont Grand^ • Whistler Grand^
BCA-HPB GREEN MARK FOR HEALTHIER WORKPLACES	<u>Platinum</u> <ul style="list-style-type: none"> • CDL Corporate Office – Republic Plaza (Levels 10 – 12) • CDL Corporate Office – Republic Plaza (Level 36)
CONSTRUCTION EXCELLENCE AWARD	<u>Excellence</u> <ul style="list-style-type: none"> • New Futura • The Brownstone <u>Merit</u> <ul style="list-style-type: none"> • D’Nest • The Venue Residences and Shoppes
CONSTRUCTION PRODUCTIVITY AWARD (PROJECTS)	<u>Platinum</u> <ul style="list-style-type: none"> • The Brownstone <u>Gold</u> <ul style="list-style-type: none"> • New Futura

*Recertification ^Design

FACT SHEET ON CDL'S AWARD-WINNING PROJECTS

Piermont Grand	
<ul style="list-style-type: none"> • Green Mark Platinum Award • Universal Design Mark Gold^{PLUS} Award 	
<p>The upcoming 820-unit Piermont Grand is Singapore's first Executive Condominium (EC) launch for 2019. A JV waterfront development, it is located near Sumang LRT station and about a 10-minute stroll to Punggol MRT station, bus interchange and Waterway Point Shopping Mall.</p> <p>Close to reputable schools such as Mee Toh School, Punggol Green Primary School and the upcoming campus of the Singapore Institute of Technology, Piermont Grand is near the upcoming Punggol Digital District.</p> <p>The luxurious project offers an elevated landscaped deck that is surrounded by sprawling lush gardens, tiering towards the beautiful waterway at Punggol, and will feature a cantilevered gym above the pools with waterway view.</p> <p>Piermont Grand clinched the highest-tier Green Mark Platinum, and the Universal Design Mark Gold^{PLUS}.</p> <p>It will also feature a Smart Energy and Water Monitoring System, with water leak detection algorithm, to track and manage power and water usage in the common areas. Piermont Grand's energy- and water-efficient features enable the development to achieve total energy savings of approximately 1,144,202 kWh per year and water savings of approximately 73,881 m³ annually. This translates into an estimated reduction of over 572 tonnes of carbon dioxide emission each year.</p>	
KEY GREEN FEATURES	BENEFITS
<ul style="list-style-type: none"> • Optimised building orientation for good natural ventilation and mitigating effects of wind-driven rain • Building facade designed with high performance glazing • Extensive daylighting for corridors and lift lobbies 	<ul style="list-style-type: none"> • Allows for good natural ventilation in the common areas and dwelling units • Lowers solar heat gain, reduces cooling load
<ul style="list-style-type: none"> • Efficient lighting design with use of LED with motion sensors • Provision of energy-efficient air conditioning system for all units • Air conditioning compressor placement optimised using Computational Fluid Dynamics • Energy-efficient lifts with regenerative drive, VVVF (variable voltage variable frequency) drive and sleep function mode • Dashboard to monitor energy-usage in common areas • Provision of ceiling fan for all units 	<ul style="list-style-type: none"> • Smart and efficient energy usage which contributes to energy savings – total energy savings of approximately 1,144,202 kWh per year • Ceiling fan provides mechanically assisted ventilation to improve occupant thermal comfort while reducing reliance on air-conditioning
<ul style="list-style-type: none"> • Water-efficient sanitary fittings in all units • Water-usage monitoring using smart remote metering system and local meters, which include leak detection algorithm • Water harvested from rainwater used for landscape irrigation 	<ul style="list-style-type: none"> • Reduces water consumption – estimated water savings of approximately 73,881 m³ annually • To accurately forecast water demand and avoid leak damages and unnecessary water loss
<ul style="list-style-type: none"> • Use of environmentally-friendly and sustainable products certified by approved local certification bodies, including: <ul style="list-style-type: none"> – Use of low-carbon and recycled concrete certified by Singapore Green Building Council 	<ul style="list-style-type: none"> • Promotes environmental conservation • Reduces consumption of natural raw materials

<ul style="list-style-type: none"> - Use of low-volatile organic compounds (VOC) paint for all internal wall to ensure healthy indoor air quality • Computing of carbon footprint of building materials for the development 	<ul style="list-style-type: none"> • Protects environmental quality – such as ensuring healthy indoor air quality
<ul style="list-style-type: none"> • Extensive provision of greenery and biophilic design • Use of native plant species for extensive and sustainable landscaping • Provision of bicycle parking lots • Provision of dedicated facilities for recycling paper, glass, metal and plastic at each block • Provision of storage and composting facilities of horticultural waste in common areas 	<ul style="list-style-type: none"> • Strengthens resistance to local weather and restores natural habitat • Promotes green modes of transportation • Encourages eco-conscious lifestyles and habits such as recycling
<ul style="list-style-type: none"> • Smart home (with smart community) system in all units 	<ul style="list-style-type: none"> • Enhances comfort, convenience and security for residents
<p>KEY UNIVERSAL DESIGN FEATURES</p>	<p>BENEFITS</p>
<ul style="list-style-type: none"> • Quality living spaces created through optimised block and unit design to maximise flexibility • For example, within the apartment, the master bedroom wardrobe is designed with a built-in accessories cabinet to help save space 	<ul style="list-style-type: none"> • Flexible living spaces that can adapt to different users and evolving needs over time
<ul style="list-style-type: none"> • Innovation in design and technology to support ageing-in-place, overcome undulating site conditions and/or mitigate space constraints 	<ul style="list-style-type: none"> • Mitigates the level difference between the development and the existing park connector through the provision of pedestrian and bicycle ramps. This allows residents to access the park connector easily, where both young and old can take part in fitness activities

Amber Park

- **Green Mark Gold^{PLUS} Award**

Just a three-minute walk to the upcoming Tanjong Katong MRT station on the Thomson-East Coast Line, Amber Park is a freehold 592-unit condominium located in the exclusive Amber Road enclave within the East Coast area.

The most highly-anticipated new icon for luxury East Coast living, it is designed by acclaimed SCDA Architects' award-winning Principal Architect Mr Chan Soo Khian.

Amber Park embraces design innovation. The Stratosphere, a rooftop recreational deck 235 feet above sea level, includes a 600m sky jogging track – a first for a condominium in Singapore, connecting three 21-storey towers. The 32,507 square feet Stratosphere also features a yoga deck, gymnasium, spa pool, gourmet dining, lounge, water features and landscaped garden.

Amber Park was also designed with sustainability in mind. A Green Mark Gold^{PLUS} development, it is expected to achieve estimated energy and water savings of over 3.4 million kWh per year and over 110,000 m³ per year respectively.

Notable green features include optimal building orientation which allows for good natural ventilation while minimising heat gain, and sun shadings and performance glazing on the building façade to achieve maximum comfort for building occupants.

Its apartments and common areas are fitted with features that are environmentally-friendly – such as energy-efficient air-conditioners, Water Efficiency Labelling Scheme (WELS)-certified fittings, and energy-efficient lighting with the use of LED and sensors to help save electricity. The wireless smart home system in all units also helps with monitoring and reducing energy usage.

Furthermore, Amber Park's landscaped areas will use automatic water-efficient irrigation systems and harvest rainwater to reduce potable water usage.

During construction, products certified by the Singapore Environment Council's Singapore Green Labelling Scheme are used extensively, to reduce impact on the environment. Low volatile organic compounds (VOC) paints will also be used for all internal walls to ensure healthy indoor air quality for occupants.

KEY GREEN FEATURES

BENEFITS

- Optimised building orientation for good natural ventilation and mitigating effects of wind-driven rain
- Building façade designed with high performance glazing to lower solar heat gain
- Efficient lighting design with use of LED and motion sensors / timer controls
- Extensive daylighting for corridors and lift lobbies
- Provision of energy-efficient air conditioning system for all the units
- Air-conditioning compressor placement optimised using Computational Fluid Dynamics
- Energy-efficient lifts with regenerative drive, VVVF drive and sleep function mode.
- Dashboard to monitor energy-usage in common areas

- Reduces energy consumption – estimated energy savings of approximately 3.4 million kWh per year
- Energy-efficient design allows for good natural ventilation in the common areas
- Mitigates urban heat island effect and solar heat gain

- Water-efficient sanitary fittings in all units
- Automatic water-efficient irrigation system for major landscaped areas
- Rainwater harvesting to reduce potable water usage
- Smart remote metering system and local meters monitor water-usage

- Reduces water consumption – estimated water savings of over 110,000 m³ per year

- Use of environmentally-friendly and sustainable products certified by approved local certification bodies, including:

- Promotes environmental conservation

<ul style="list-style-type: none"> - Use of Singapore Green Building Council-certified materials such as low-carbon and recycled concrete - Use of low-VOC paint for all internal walls • Adoption of sustainable building systems for construction 	<ul style="list-style-type: none"> • Reduces consumption of natural raw materials • Protects environmental quality – such as ensuring healthy indoor air quality
<ul style="list-style-type: none"> • Extensive provision of greenery and lifestyle spaces that promote residents' well-being • Provision of bicycle parking lots • Provision of dedicated facilities for recycling paper, glass, metal and plastic at each block • Provision of storage and composting facilities of horticultural waste in common areas 	<ul style="list-style-type: none"> • Promotes green modes of transportation • Encourages eco-conscious lifestyles and habits such as recycling
<ul style="list-style-type: none"> • Wireless smart home system in all units 	<ul style="list-style-type: none"> • Allows control and adjustment of electrical appliances remotely to reduce and better manage energy consumption • Enhances comfort, convenience and security for residents

Boulevard 88

- Green Mark Gold^{PLUS} Award

The ultra-high-end Boulevard 88 is the only brand new freehold residential development along Orchard Boulevard in prime district 10. Directly accessible through Orchard Boulevard and Cuscaden Road, the 154-unit development is a short six minutes' stroll to the famous Orchard Road shopping and entertainment belt, Orchard MRT station (interchange station for the North-South and upcoming Thomson-East Coast Lines) and future Orchard Boulevard Station (on the Thomson-East Coast Line).

Designed by world-renowned Moshe Safdie, Boulevard 88 has a stunning architecture. It comprises two 28-storey residential towers that are connected at the top by a Sky Boulevard, creating a tall 'urban window' and an outstanding skyline silhouette that is visible from the city's surround.

CDL adopted the use of virtual design and construction technology during the design development phase, including the use of architectural 3D models to optimise building orientation and make informed decisions for the façade shading, ventilation and building layout. This technology helps to reduce heat gain and optimise energy consumption within the apartment units.

Boulevard 88 is Green Mark Gold^{PLUS} certified – a testament to its myriad energy- and water-efficient design features and fittings, and lush green landscapes.

KEY GREEN FEATURES	BENEFITS
<ul style="list-style-type: none"> • Optimised building orientation for good natural ventilation in the lift lobbies, corridors and dwelling units • Building façade designed with high performance glazing to lower solar heat gain, along with balconies providing shade to Northeast and Southwest facing façades • Efficient lighting design with use of LED and the provision of motion sensors • Provision of energy-efficient air conditioning system for all units • Energy-efficient lifts with regenerative drive, VVVF drives and sleep function mode • Computational Fluid Dynamics simulation done for Air-Conditioning System 	<ul style="list-style-type: none"> • Reduces energy consumption • Energy-efficient design allows for good natural ventilation in the common areas • Mitigates urban heat island effect and solar heat gain
<ul style="list-style-type: none"> • Water-efficient sanitary fittings for entire development • Automatic water-efficient irrigation system for major landscaped areas • Rainwater harvesting used for landscape irrigation 	<ul style="list-style-type: none"> • Reduces water consumption
<ul style="list-style-type: none"> • Use of Recycled Concrete Aggregates and Washed Copper Slag from approved sources to replace coarse and fine aggregates for concrete production. • Use of environmentally-friendly and sustainable products certified by approved local certification bodies. • Use of low-VOC paint certified by approved local certification body for internal walls 	<ul style="list-style-type: none"> • Promotes environmental conservation • Reduces consumption of natural raw materials • Protects environmental quality – such as ensuring healthy indoor air quality
<ul style="list-style-type: none"> • Provision of bicycle parking lots • Provision of recycling bins separating paper, glass and plastic provided at each residential block • Provision of double-refuse chutes to separate recyclable from non-recyclable waste • Use of non-chemical termite treatment system • Use of siphonic rainwater discharge system at roof 	<ul style="list-style-type: none"> • Promotes green modes of transportation • Encourages eco-conscious lifestyles and habits such as recycling
<ul style="list-style-type: none"> • Wireless smart home system in all units 	<ul style="list-style-type: none"> • Allows control and adjustment of electrical appliances remotely to reduce and better manage energy consumption • Enhances comfort, convenience and security for residents