

## Media Release

### **Gardens by the Bay and The Interlace top BCA Universal Design Mark Awards winners' list**

- *BCA Universal Design Mark Awards recognises developers and architects who make the extra effort in applying Universal Design principles in their projects.*

- *Gardens by the Bay and The Interlace top the winners' list as Platinum winners, among the 31 projects recognised this year.*

**Singapore, 11 May 2014** – The Building and Construction Authority (BCA) conferred the Universal Design Mark Award to 31 exemplary projects, up from the 26 given in 2013. Among the 31, Gardens by the Bay and a private residential development The Interlace topped the list as Platinum winners.

2. Introduced in October 2012, the BCA Universal Design Mark is a voluntary certification scheme that promotes Universal Design\*. This scheme recognises developments, developers and architects who extensively apply a user-centric philosophy in their design, operations and maintenance of their projects and developments. It also raises greater public awareness towards user-friendly buildings.

3. Commenting on this year's BCA Universal Design Mark Awards, BCA Chief Executive Officer Dr John Keung said: "We are encouraged by how the built environment sector has responded positively to our introduction of the Universal Design Mark certification scheme. BCA has received 59 applications since the launch in October 2012. This year, 31 projects were considered exemplary in incorporating universal design features. This is an increase from 26 last year and indicates to us that more developers and architects are putting the needs of their users – including the general public – first and thoughtfully when designing their projects."

#### **Platinum winner: Gardens by the Bay**

4. Gardens by the Bay ("the Gardens"), is one of the largest garden development of its kind in the world, occupying a land area of 54 hectares. It is a unique recreational destination created for all to play in a garden setting in a city. With seamless integration throughout the development and connectivity to the city, the Gardens has successfully set a benchmark for new generation of garden development within the larger urban context. Before the Gardens opened, BCA and The Gardens jointly conducted a user trial to engage its visitors, including persons with disabilities, to solicit valuable feedback on their Universal Design features.

\*Universal Design (UD) means "design for all". UD helps to make our built environment a more inclusive one. UD enables everyone – the young, the old and persons with different abilities – to enjoy inclusive living in familiar surroundings with their loved ones.

5. Dedication to Universal Design extends to all the Gardens' attractions, facilities and services. They are thoughtfully designed to cater to the diverse needs of users of all ages and abilities. The uniquely designed accessible elevated walkways at the Supertree Groove, Flower Dome and Cloud Forest allow unobstructed movement for wheelchair users and mothers with prams.

6. Likewise, the developer and architects have placed pro-family facilities such as wet and dry play areas designed for different age groups, ample seating, dedicated nursing areas, diaper changing stations, child friendly sanitary fittings and shower area for children at strategic locations. This reinforced the Gardens as an ideal destination for everyone – families with children, the elderly and persons with disabilities.

7. Orientation in the Gardens is made easy with its intuitive way-finding cues and clear signage. Maps of its facilities are strategically placed throughout the Gardens for its visitors.

### **Platinum winner: The Interlace**

8. The Interlace, a private residential development, stands out in its iconic architectural presence. The development boasts a traffic-free living environment where young children could play and run around safely. There is also a generous provision of communal facilities, landscaping and resting areas that are designed for users of all ages and abilities, so that residents of all ages and abilities to play and exercise together.

9. Of the Interlace's 1,040 units of varying sizes, about 131 apartment units are designed with ageing-in-place provisions such as "stepless" bathrooms which will benefit more senior residents or wheelchair-bound residents. There are also 16 dual-key units – two units linked by an internal door – that promote multi-generation living.

10. The innovative stacking of the buildings in a hexagonal arrangement maximises the spacing between blocks to allow for more privacy between units. This arrangement also allows the creation of extensive roof gardens and landscaped sky terraces with lush planting and ample seating that serve as attractive and conducive places for social interaction and community bonding.

11. User-centric design philosophy, applied throughout the development by the developer and architects, is also well-illustrated with the sensitive design considerations. Well-placed sculptures and thematic courtyards form various landmarks and focal points that allow residents and visitors to easily find their way around this large development. Within its premises, there are seven seating areas that can be easily converted for wheelchair users.

12. The expansive basement car park is also carefully designed and marked with colour zones so that drivers and visitors can find their way to the right block with ease. There are also dedicated footpaths and road crossings that guide residents and visitors to their intended destinations safely and clear of the vehicular traffic.

## **Other winners**

13. Besides these two Platinum-certified winners, these developments were also given BCA Universal Design Mark Gold<sup>PLUS</sup> certifications (in no order of merit):

- Cube 8
- Mount Elizabeth Novena Hospital
- NV Residences

Other Award winners are in Annex B.

14. The BCA Awards ceremony will be held on the evening of 22 May 2014 at the Resorts World Sentosa. Guest-of-Honour Senior Minister of State for Trade and Industry, and National Development Mr. Lee Yi Shyan will present the award winners with a BCA Universal Design Mark plaque during the ceremony.

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## **Issued on 11 May 2014 by the Building and Construction Authority**

### **About Building and Construction Authority**

The Building and Construction Authority (BCA) of Singapore champions the development of an excellent built environment for Singapore. BCA's mission is to shape a safe, high quality, sustainable and friendly built environment, as these are four key elements where BCA has a significant influence. In doing so, it aims to differentiate Singapore's built environment from those of other cities and contribute to a better quality of life for everyone in Singapore. Hence, its vision is to have "a future-ready built environment for Singapore". Together with its education arm, the BCA Academy of the Built Environment, BCA works closely with its industry partners to develop skills and expertise that help shape a future-ready built environment for Singapore. For more information, visit [www.bca.gov.sg](http://www.bca.gov.sg).

### **About the BCA Universal Design Mark**

Universal Design (UD) means "design for all" and helps to make our built environment more inclusive.

Introduced in October 2012, the BCA Universal Design Mark is a voluntary certification scheme that promotes Universal Design and encourages the building industry to incorporate it in their developments and projects. The Award recognises developments and projects where their developers and architects pursued a design philosophy that enables everyone - the young, the old and persons with different abilities - to enjoy inclusive living in familiar surroundings with their loved ones. This scheme assesses projects at their design stage, facilitating the incorporation of Universal Design at the start of their development. Once completed, the development or project will be awarded a display plaque, indicating one of the four Universal Design Mark ratings: Certified, Gold, Gold<sup>PLUS</sup> or Platinum. For on-going projects, Universal Design Mark ratings will be determined based on design and indicated as Certified (Design), Gold (Design) or Gold<sup>PLUS</sup>(Design).

## BCA Universal Design Mark

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### Categories

- Non-Residential (New)
- Non-Residential (Refurbished)
- Residential (New)

### Judging Criteria

- Process
- User-friendliness
- Design Integration
- Accessibility and Inter-Connectivity
- Safety
- Operations and Maintenance

## Universal Design Mark | Platinum



**Gardens by the Bay**  
Non-Residential (New)

**Owner/Developer**  
Gardens by the Bay

**Architect**  
CPG Consultants Pte Ltd  
(Architect)  
Wilkinson Eyre Architects  
(Design Consultant)  
Grant Associates  
(Landscape Architect)

Gardens by the Bay, occupying a land area of 54 hectares, is one of the largest garden development of its kind in the world. It is a unique recreational destination created for all to play in a garden setting in a city. The upfront concept planning on the seamless integration within the larger urban context of the city and connectivity within the development has successfully set the benchmark for new generation of garden development.

### Key Features

- Dedication to Universal Design extends to all its attractions, facilities and services that are thoughtfully designed to cater to the diverse needs of users of all ages and abilities. The uniquely designed accessible elevated walkways at the Supertree Groove and Cloud Forest allow unobstructed movement for wheelchair users and mothers with prams.
- It is friendly to families and children with provision of thoughtful pro-family facilities such as wet and dry play areas designed for different age groups, ample seating, dedicated nursing areas, diaper changing stations, child friendly sanitary fittings and shower area for children at appropriate locations.
- The way-finding cues are intuitive and signs as well as facilities maps provided are easy to read and strategically placed; hence it allows users to find their way around this vast development easily.

## Universal Design Mark | Platinum



**The Interlace**  
Residential (New)

**Owner/Developer**  
CapitaLand Singapore Limited  
Hotel Properties Limited and  
one other shareholder

**Architect**  
RSP Architects Planners & Engineers  
(Pte) Ltd  
(in association with Office for  
Metropolitan Architecture)

The Interlace, a private residential development with 1,040 units of varying sizes, stands out in its iconic architectural presence. The development boasts of a vehicular free, safe and comfortable living environment with a generous provision of communal facilities, landscaping and resting areas for users of all ages and abilities to play, exercise and enjoy.

It was awarded UD Mark Gold<sup>PLUS</sup> (Design) Award in 2013 for its considerate planning and design strategies.

### Key Features

- The innovative stacking of the buildings in a hexagonal arrangement maximises the spacing between blocks to allow more privacy between units and creates extensive roof gardens and landscaped sky terraces with lush planting and ample seating serving as attractive and conducive places for social interaction.
- Well-placed sculptures and thematic courtyards form various landmarks and focal points allow residents and visitors to find their way around this large development easily.
- The expansive basement car park is also well designed; it is well-lit and naturally ventilated, as well as thoughtfully planned and marked with colour zones for easy orientation. Safety is enhanced with a dedicated pedestrian footpath and road crossing.
- The 'Ageing-in-place' units are spacious and equipped with friendly features such as step-less bath rooms and windows with pull bars. There are also dual-key units that promote multi-generation living.

UniversalDesign Mark | **Gold**<sup>PLUS</sup>



**Cube 8**  
Residential (New)

**Owner/Developer**  
City Developments Limited

**Architect**  
ADDP Architects LLP

Cube 8 is a 36-storey private residential development that enjoys unobstructed views of the city and MacRitchie Reservoir. With six sky terraces that offer a good range of user-friendly facilities, Cube 8 is exemplary in its successful application of universal design in high-rise living.

**Key Features**

- Unique architectural form with generous provisions of barrier-free sky terraces provides variety of communal facilities close to the door step of residents.
- Thoughtful considerations using raised floors and thicker glass fenestration for apartment units mitigate traffic sound noise.
- It has a comprehensive set of universal design features including low-threshold entrance, integrated handle for windows and sliding doors for apartment units as well as automatic doors, family car parking lots, and Braille signs at common areas.

Universal Design Mark | Gold<sup>PLUS</sup>



**Mount Elizabeth Novena Hospital**  
Non-Residential (New)

**Owner/Developer**  
Parkway Pantai Ltd

**Architect**  
CIAP Architects Pte Ltd

The design principle adopted is to create a world class healing environment in a luxurious setting similar to that of a high class hotel. It is also the first private hospital in Singapore to have 333 Single beds.

**Key Features**

- The hospital is easily accessible from the MRT station. There is an exterior lift along Irrawaddy Road which brings visitors and staff coming from the MRT Station to the medical centre which is one floor above.
- It boasts of thoughtful and comprehensive provisions of its hospital care facilities. Clients are actively involved from design stage, giving valuable feedback on usages in spatial design and requirements.
- Single-handed canted patient room configuration facilitates greater access by the patient to views.

Universal Design Mark | **Gold<sup>PLUS</sup>**



**NV Residences**

Residential (New)

**Owner/Developer**

City Developments Limited  
Hong Realty (Pte) Ltd  
Hong Leong Holdings Ltd

**Architect**

Architects 61 Pte Ltd

The development is family-oriented with lush conducive landscape setting, extensive water features and family friendly recreational facilities.

**Key Features**

- The use of timber boardwalk mitigates the level differences between NV Residences and the adjacent development and also complements the overall recreational facilities provision.
- It also has clear signs along main circulation paths, good visual connectivity using green cubes, and plants lead residents and visitors towards the central plaza where communal facilities can be found.
- Different types of concept pools for multi-generation use are all centrally located. Where family use are intended, handrails are fixed at both adult and child levels; 'transfer platform' installed at aqua swimming pool to allow wheelchair users to access the aqua pool easily.
- Innovative 'smart storage system' within residential units allows spatial flexibility for residents.

## Universal Design Mark | Gold



**ACE The Place**  
**Our Community Club @ Admiralty**  
Non-Residential (New)

**Owner/Developer**  
People's Association

**Architect**  
LAUD Architects Pte Ltd  
(Design Architect)  
Architects Team 3 Pte Ltd  
(Project Architect)

ACE The Place Our Community Club @ Admiralty created opportunities for residents to gather, interact and experience the “vibrant life” in the division. The 4,000-square-metre CC features a water playground and a 24-hour gym. It also has a childcare centre and offers parallel courses so that both parents and children can be engaged in similar activities at the same time.

### Key Features

- Clear and easy-to-read signs are provided at strategic locations throughout the Community Club for visitors to locate its facilities.
- The integration of landscaped decks and terraces create comfortable naturally ventilated spaces throughout the building to encourage social interaction.
- Flexible spaces can be reconfigured to cater to various functions and operations.

## Universal Design Mark | Gold



**Boon Lay Community Club**  
Non-Residential (Refurbished)

**Owner/Developer**  
People's Association

**Architect**  
S A Chua Architects Pte Ltd

This is a refurbished development. Boon Lay Community Club offers service to the community of a diverse, social and educational background, age and physical ability. In refurbishing the building, special efforts were taken to bring in sunlight to the double loaded corridors and giving the corridors a more spacious feeling. Users were actively involved from design stage, giving valuable feedback on usages in spatial design and requirements.

### Key Features

- Two new lifts and accessible ramps are strategically added to enable accessibility to the building. One of the lifts has been fitted in the court to facilitate the movement of wheelchair users to the stage.
- Easy wayfinding is facilitated with big and clear signs to guide visitors in finding the facilities in the building.
- Safe and friendly facilities such as stairs with tactile warning indicators are provided at the top and bottom, the nosing is colour contrasted with the tread as well as handrails on both sides.

## Universal Design Mark | Gold



### **Hundred Trees**

Residential (New)

### **Owner/Developer**

Grande-Terre Properties Pte Ltd  
(a 100% subsidiary company of CDL)

### **Architect**

Ong&Ong Pte Ltd

Hundred Trees is a 396-unit private residential development located along West Coast Drive. In a verdant setting, the development hosts many user-friendly communal facilities to create an attractive and comfortable living environment.

### **Key Features**

- Good planning of active and passive spaces with a variety of facilities in the development caters to the needs of all residents.
- It has a well-conceived arrival porch with universal design features comprising wheelchair-friendly lift, staircase, directory map and a comfortable waiting area.
- Use of thematic planting schemes and various water features create a lush and conducive living environment.

## Universal Design Mark | Gold



### **Quayside Isle**

Non-Residential (New)

### **Owner/Developer**

City Developments Limited

### **Architect**

Axis Architects Planners Pte Ltd

Located within the luxury Sentosa Cove enclave, the integrated food and beverage, and retail destination of Quayside Isle boasts a unique marina-facing location and state-of-the-art green design features such as a green roof with solar panels.

### **Key Features**

- Good urban design approach to the development results in seamless accessibility for wheelchair users to the indoor and outdoor spaces.
- The basement car park is well-designed with clear directional markings and signs for vehicular traffic as well as for pedestrians.
- Clear and easy to read signs are provided at strategic locations for users to locate its facilities.

## Universal Design Mark | Gold



**Tree House**  
Residential (New)

**Owner/Developer**  
Chestnut Avenue Developments Pte Ltd

**Architect**  
ADDP Architects LLP

Tree House is a private residential development, comprising 429 residential units, a basement carpark and communal facilities. A 'Bio-Shield' became the concept for a green façade that is more than just a green wall. It helps filter pollutants and carbon dioxide, reduces thermal heat gain and also adds colour to complement the overall design. Accompanying the vertical green profiles are green sky gardens that serve as both vantage points and provide a conducive environment for all age groups to enjoy and relax.

### Key Features

- The development has abundant recreational space for users of all ages and abilities. Pockets of multi-generational spaces for recreation incorporated across the development to promote greater social integration of the residents.
- It offers family-friendly facilities e.g. accessible pool, aqua gym provides ease of access for wheelchair users and the elderly, play and fitness equipment catering to children, adults and the elderly.
- There are ample seating areas throughout the whole development, both indoor and outdoor spaces, to create a comfortable environment.

Universal Design Mark | **Gold**



**W Singapore Sentosa Cove**  
Non-Residential (New)

**Owner/Developer**  
City Developments Limited

**Architect**  
Axis Architects Planners Pte Ltd

W Singapore at Sentosa Cove is a resort hotel that embodies contemporary art and natural elements with dynamic design details. Located at the edge of an island, it features private berthing stations along the shore for hotel guests' use.

**Key Features**

- The hotel serves as a conducive place for day and night time activities with the seamless and well-connected pedestrian network through the gardens and plazas offering views to corridors and open spaces for public, guests and staff to enjoy the waterfront.
- Elder-friendly accommodation and accessible guest rooms are distributed across the pricing tiers with thoughtful consideration on provision of night lighting in the bathroom, emergency pull cord and strobe lighting for the deaf in the room.
- User-friendly facilities such as private listening booths, drink station and WIFI access add to the enjoyment of its guests.

## Universal Design Mark | Gold



**Woodlands Galaxy Community Club**  
Non-Residential (New)

**Owner/Developer**  
People's Association

**Architect**  
CPG Consultants Pte Ltd

Woodlands Galaxy Community Club is the first CC with dedicated astronomy programme. The 8m-diameter globe marking the southeastern corner of the building creates an iconic visual interest that is easily identifiable at distance. Clients and users were actively involved from design stage, giving valuable feedback on spatial design and requirements for use.

### Key Features

- The development is seamlessly connected to the adjacent HDB buildings and a bus stop through sheltered pathways
- Clear and easy-to-read signs are provided at strategic locations throughout the Community Club for visitors to locate its facilities.
- The development also has pro-family facilities like nursing room, family restroom, diaper changing station located within close proximity from the main activity areas.
- It has ample tables and seats of varying heights catering to different users.

Universal Design Mark | **Certified**



**Fernvale Palms**  
Residential (New)

**Owner/Developer**  
Housing and Development Board

**Architect**  
AGA Architects Pte Ltd

Fernvale Palm is a four-block residential development by HDB. The development is one of the six precincts developed by HDB bounded by Sengkang West Ave, Sengkang West Way, Fernvale Link and Fernvale Road. Although each precinct has their individual garden and exercise equipment, they share a common neighbourhood playground at the centre.

**Key Features**

- The development has ample seating areas throughout the whole development.
- Recreational facilities and communal areas are located at the centre of the development and are fully barrier-free accessible.
- Access routes to blocks within the development are sheltered and “sprout” from the centralised multi-storey car park.

## Universal Design Mark | Certified



**Firefly Park @ Clementi**  
Non-Residential (New)

**Owner/Developer**  
Housing and Development Board

**Architect**  
Surbana International Consultants Pte  
Ltd

The FireFly Park @ Clementi is a neighbourhood park designed to connect with the immediate surroundings. The park are zoned based on 'play-event-garden' activities and inspired by natural elements to encourage community bonding activities, awareness and education on the value of nature.

### Key Features

- Accessibility around the park is seamless with the generous provision of ramps and footpaths that are clearly differentiated by varying non-slip floor finishes, facilitating intuitive way-finding.
- The park serves as a conducive place for nearby community and family activities. It has ample seating areas and amenities such as accessible children's playground and fitness stations for young adults and the elderly.

UD Mark | Gold<sup>PLUS</sup> (Design)

Project	Category	Project Team
<b>Corals at Keppel Bay</b>	Residential (New)	<b>Owner/Developer</b> Keppel Bay Pte Ltd <b>Architect</b> DCA Architects Pte Ltd
<b>Jewel @ Buangkok</b>	Residential (New)	<b>Owner/Developer</b> White Haven Properties Pte Ltd (a 100% own Subsidiary of CDL) <b>Architect</b> DCA Architects Pte Ltd
<b>Kampung Admiralty</b>	Non-Residential (New) Residential (New)	<b>Owner/Developer</b> Housing and Development Board <b>Architect</b> WOHA Architects Pte Ltd
<b>The Integrated Building Changi General Hospital / St. Andrew's Community Hospital</b>	Non-Residential (New)	<b>Owner/Developer</b> Ministry of Health <b>Architect</b> RDC Architects Pte Ltd

UD Mark | **Gold(Design)**

Project	Category	Project Team
<b>Blossom Residences</b>	Residential (New)	<b>Owner/Developer</b> City Developments Limited <b>Architect</b> ADDP Architects LLP
<b>D'Nest</b>	Residential (New)	<b>Owner/Developer</b> City Developments Limited Hong Realty (Pte) Ltd Hong Leong Holdings Ltd <b>Architect</b> Architects 61 Pte Ltd
<b>Echelon</b>	Residential (New)	<b>Owner/Developer</b> City Developments Limited Hong Leong Holdings Limited Hong Realty (Pte) Limited <b>Architect</b> SCDA Architects Pte Ltd
<b>Flo Residence</b>	Residential (New)	<b>Owner/Developer</b> Publique Realty Pte Ltd <b>Architect</b> ADDP Architects LLP
<b>J-Gateway</b>	Residential (New)	<b>Owner/Developer</b> MCL Land (Gateway) Pte Ltd <b>Architect</b> AGA Architects Pte Ltd
<b>Lush Acres</b>	Residential (New)	<b>Owner/Developer</b> Verspring Properties Pte Ltd <b>Architect</b> ADDP Architects LLP
<b>Marine Blue</b>	Residential (New)	<b>Owner/Developer</b> CapitaLand Singapore Limited <b>Architect</b> MKPL Architects Pte Ltd

<b>Riverbank @ Fernvale</b>	Residential (New)	<b>Owner/Developer</b> UOL Development (Sengkang) Pte Ltd <b>Architect</b> DP Architects Pte Ltd
<b>Segar Grove</b>	Residential (New)	<b>Owner/Developer</b> Housing and Development Board <b>Architect</b> Surbana International Consultants Pte Ltd
<b>Sky Vue</b>	Residential (New)	<b>Owner/Developer</b> CapitaLand Singapore Limited Mitsubishi Estate Asia Pte Ltd <b>Architect</b> DCA Architects Pte Ltd
<b>The Glades</b>	Residential (New)	<b>Owner/Developer</b> Sherwood Development Pte Ltd <b>Architect</b> P&T Consultants Pte Ltd
<b>Trilive</b>	Residential (New)	<b>Owner/Developer</b> RH Tampines Pte Ltd <b>Architect</b> Kyoob Architects Pte Ltd

## UD Mark | Certified(Design)

Project	Category	Project Team
<b>The Glyndebourne</b>	Residential (New)	<b>Owner/Developer</b> City Developments Limited / Cophorne Orchid Hotel Singapore Pte Ltd <b>Architect</b> Team Design Architects Pte Ltd