



ANNEX A

MEDIA FACT SHEET

Skyrise Greenery Awards 2015

Background

Launched in 2008, the Skyrise Greenery Awards is the first in the region to recognise and reward skyrise greening efforts in developments. Now into its sixth run, the Awards honour the team effort of building owners, developers, architects, designers, and landscape contract managers who have creatively integrated sky gardens and vertical greenery in their projects.

Past award-winning projects include Newton Suites (2008), Orchard Central (2009), Khoo Teck Puat Hospital (2010), 158 Cecil Street (2011) and PARKROYAL on Pickering (2013). These developments range from commercial, residential and even educational and healthcare institutions.

The Skyrise Greenery Awards is organised by the National Parks Board (NParks), supported by Building and Construction Authority, Landscape Industry Association Singapore, Singapore Green Building Council, Singapore Institute of Architects, Singapore Institute of Landscape Architects and Urban Redevelopment Authority.

Skyrise Greenery Awards 2015

This year saw the introduction of building categories, where submissions were evaluated based on the following building types:

1. Commercial / Industrial
2. Community Facilities
3. Educational Institutions
4. Residential (Multi-Units)
5. Residential (Small-Scale)

Such categorisation allows projects of a similar scale and context to be judged against one another.

The Skyrise Greenery Awards 2015 received 123 entries, the highest number of entries since its inception.

Number of entries received in past awards:

- 2008 awards - received 9 entries
- 2009 awards - received 14 entries
- 2010 awards - received 17 entries
- 2011 awards - received 27 entries
- 2013 awards - received 77 entries

Embargoed until 10am, 5 Nov 2015. For media queries, please contact Chrystal Chua at 9010-1792 or Quek Siew Hoon at 9765-7560

The Skyrise Greenery Awards 2015 saw half the winning projects (6 out of 12 winners) featuring the retrofitting of rooftop and vertical greenery installations in existing buildings. These installations were notably co-funded under the Skyrise Greenery Incentive Scheme, which aims to encourage the retrofitting of skyrise greenery in existing buildings. This challenges conventional thinking that only lightweight green roofs are suitable for retrofit projects with the plethora of skyrise greenery forms and typologies incorporated.

Prizes

The award categories for Skyrise Greenery Awards 2015 remain similar to the previous format: Outstanding, Excellence and Special Awards. All team members of winning projects will receive plaques and certificates. The winner of the Outstanding Award receives SGD\$8,000. Excellence Award winners receive SGD\$1,500 each and Special Award winners receive SGD\$500.

Categories	Description	Prizes/Awards
Outstanding Award	Most outstanding skyrise greenery development	SGD\$8,000
Excellence Award	Projects that demonstrate excellence in skyrise greenery designs	SGD\$1,500, trophy, plaque, certificate
Special Award	Projects that exhibit unique features: Innovation; Retrofit; Community Engagement	SGD\$500, trophy, plaque, certificate

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OUTSTANDING AWARD – Westgate

Project Address	3 Gateway Drive, Singapore 608532
Type of Development	Shopping mall and office tower
Skyrise Greenery completion date	December 2013
Area of Rooftop Greenery	635 sqm
Area of Vertical Greenery	1,350 sqm

Project Team

Owner	CapitaLand Group
Architect	RSP Architects Planners & Engineers Pte Ltd
Design Consultant	Benoy Ltd
Landscape Architect	Coen Design International Pte Ltd
Landscape Contractor	Nature Landscapes Pte Ltd
Greenwall Specialist	Greenhouse Design & Build Pte Ltd
Main Contractor	Shimizu Corporation

Westgate is strategically located in the heart of Jurong Gateway and is the only development with direct connections to both the Jurong East MRT and bus interchanges. From the onset, CapitaLand Group envisioned Westgate as a vibrant hub for the community that leverages the site's excellent connectivity. At the same time, the developers wanted the design to reflect the site's heritage. The result is a design concept termed "urban oasis" that incorporates open civic spaces, flowing streams and living green walls that connect to the rivers and mangroves of Jurong's past, as well as to the Jurong Lake nearby. Lush vertical greenery is integrated into the façade and interior walls to soften the development's boundary and enhance the experience of being in a green idyll. Large landscaped gardens are located on multiple levels from The Courtyard on the ground floor to the rooftop for the public's enjoyment. The popular Courtyard is set within a semi-outdoor street, acting as an urban park with varied alfresco dining options and public seating. It is covered with a series of overlapping glass canopies that allow in natural day light whilst keeping rain and direct sunlight out. Westgate also houses Singapore's largest thematic outdoor playground in a mall. Named Westgate Wonderland, the 11,000-square-foot outdoor playground features a fantasy garden theme designed to appeal to children of all ages and is open free-of-charge to the public.

Today, Westgate is the premier mall in western Singapore offering a shopping experience that was previously only available downtown by housing upmarket brands among its more than 250 stores. It is also a natural hub for the community with its extensive civic spaces, landscaped gardens and family-friendly mall amenities.

Judges' Citation

Westgate can be described as a green envelope, and is very uncharacteristic or atypical of a commercial building. Sky gardens are interspersed throughout the upper floors of the office tower creating intimate spaces for building users to rest and recharge amongst lush greenery, with magnificent views of the surrounding Jurong Lake District. Notably, trees on the sky gardens have been carefully considered for safety and wind loads, based on their leaf sizes and crown densities. When viewed collectively, smaller gardens merge effortlessly into Westgate's overall greenery to form a single large landscape. Luxuriant green walls engulf the building from its exterior to within its large atrium at the lower shopping mall levels, softening, cooling and injecting fresh air into the space. The judges congratulate Westgate on challenging the typology of a shopping mall, transforming and enriching the shoppers' experience in Singapore with skyrise greenery.

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Media quote (combined CapitaLand quote for both Westgate and The Interlace)

“We are pleased that two of CapitaLand’s properties have been recognised at the Skyrise Greenery Awards (SGA) 2015 by Singapore’s National Parks Board for their innovative and outstanding greening and landscaping efforts. Our premier shopping mall Westgate has won the top accolade of the Outstanding Award, a distinguished honour awarded to a single premier project that stands out from the rest, while our iconic residential development The Interlace has clinched the Excellence Award. To date, CapitaLand has the most number of Skyrise Greenery Awards among Singapore’s real estate companies, with four under our belt to-date.

Aligned with our credo “Building People. Building Communities”, CapitaLand is committed to building vibrant, well-designed, safe and accessible developments that enrich the lives of our homeowners, shoppers, tenants, serviced residence guests, and members of the community. CapitaLand takes a holistic and progressive approach towards sustainability, and we remain committed to design, build and operate our properties for the long-term well-being of the community.

Incorporating greenery has always been part of our design and development philosophy. In 2007, we formalised this practice as part of CapitaLand’s Sustainable Building Guidelines. This commitment is reflected in our creativity and innovation in deploying skyrise greenery, working around Singapore’s high density urban landscape. Skyrise greenery not only enhances the environment by bringing nature closer to building users, but also reduces urban heat gain which potentially translates to reduced energy consumption. At CapitaLand properties, environmentally-friendly features such as rainwater harvesting systems and drip irrigation systems are installed, where appropriate, to minimise water wastage during landscape irrigation.

Other CapitaLand developments with distinctive greenery and landscaping features include the following:

- Our Singapore office developments such as CapitaGreen with its green façade, lush green terraces and rooftop; Six Battery Road with its 2,000 square feet indoor vertical garden comprising more than 100 plant species;
- Our Singapore residential developments such as d’Leedon with its a series of thematic gardens and Sky Habitat offering skyrise greenery with its bridging sky gardens and outdoor garden terraces;
- In China, our shoppers and tenants enjoy green respite offered by our indoor eco-parks, roof gardens and farms in our malls such as CapitaMall Xuefu in Harbin, CapitaMall Jinniu in Chengdu and CapitaMall Qibao in Shanghai;
- Our serviced residences such as Somerset Palace Seoul, Somerset Riverview Chengdu, Somerset Greenways Chennai, and Somerset Hoa Binh Hanoi all feature rooftop gardens, offering green spaces for private retreat and relaxation.

Westgate

Westgate is strategically located in the heart of Jurong Gateway and is the only development with direct connections to both the Jurong East MRT and bus interchanges. From the onset, we envisioned Westgate as a vibrant hub for the community that leverages the site’s excellent connectivity. At the same time, we wanted the design to reflect the site’s heritage. The result is a design concept we term “urban oasis” that incorporates open civic spaces, flowing streams and living green walls that connect to the rivers and mangroves of Jurong’s past, as well as to the Jurong Lake nearby. Lush vertical greenery is integrated into the façade and interior walls to soften the development’s boundary and enhance the experience

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of being in a green idyll. Large landscaped gardens are located on multiple levels from The Courtyard on the ground floor to the rooftop for the public's enjoyment. The popular Courtyard is set within a semi-outdoor street, acting as an urban park with varied alfresco dining options and public seating. It is covered with a series of overlapping glass canopies that allow in natural day light whilst keeping rain and direct sunlight out. Westgate also houses Singapore's largest thematic outdoor playground in a mall. Named Westgate Wonderland, the 11,000-square-foot outdoor playground features a fantasy garden theme designed to appeal to children of all ages and is open free-of-charge to the public. Today, Westgate is the premier mall in western Singapore offering a shopping experience that was previously only available downtown by housing upmarket brands among its more than 250 stores. It is also a natural hub for the community with its extensive civic spaces, landscaped gardens and family-friendly mall amenities.

The Interlace

Located at Depot Road, The Interlace is a 1,040-unit project which completes a 10-kilometre long green belt that stretches between the Kent Ridge, Telok Blangah Hill and Mount Faber parks. Designed to promote a sustainable living environment, the units come with sky terraces and roof gardens. About 140 different species of trees and plants, and more than 2,000 trees or palms were planted to encourage diverse habitats to flourish. Forty mature trees from the original site were also conserved. Thirty-one super blocks, each six storeys tall, are stacked in a hexagonal arrangement to form eight landscape-themed courtyards. Extensive facilities such as swimming pools, playgrounds and courtyards, are interwoven into the lush vegetation of this eight-hectare site, offering opportunities for leisure and social interaction. All sky terraces and courtyards, which are evenly distributed throughout the site, are designed with individual themes. The communal gardens encourage community bonding as residents can get involved in the care of the landscape. To encourage the greening of the balconies and facade, we also provided the owners with plants for their planters when they first moved in. This extensive landscaping and sky gardens has increased the greenery footprint at The Interlace to 112% of its original land area."

**Mr Poon Hin Kong,
Deputy Chief Development Officer, Asia
CapitaLand Limited**

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Media photos



Photo credit: Coen Design International Pte Ltd (both photos)



Photo credit: Coen Design International Pte Ltd (left photo), Benoy Ltd (right photo)

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EXCELLENCE AWARD (COMMERCIAL/ INDUSTRIAL) – Jem

Project Address	50 Jurong Gateway, Singapore 608549
Type of Development	Commercial
Skyrise Greenery completion date	June 2013
Area of Rooftop Greenery	15,196 sqm
Area of Vertical Greenery	2,015 sqm

Project Team

Owner	Lend Lease Retail Investments 3 Pte Ltd
Architectural Consultant	SAA Architects Pte Ltd
Landscape Consultant	ICN Design International Pte Ltd
Landscape Architect	HASSELL

Jem, the first mixed-use development in the heart of Jurong comprises of a 12-storey office tower and offers 6 storeys of retail. As part of Jem's commitment to sustainability, the development adopts a more than 100 percent green replacement strategy. The building greenery design symbolizes a garden façade that cascades like a green waterfall in reminiscent to the Jurong Lake District. The exterior greenery of Jem brings forth a refreshing landscape in the redevelopment of Jurong Lakeside precinct.

Jem's skyrise greenery is a continuous design spanning from ground level active laneways to the top of the commercial podium. Façade planting that span over 20 metres was achieved through three vertical greenery support systems; modular planter, tensioned cable and surface panel. The integrated trickle irrigation system utilises harvested rainwater, minimised maintenance and enabled *Thunbergia grandiflora* and *Scindapsus* vines, two fast growing and hardy species, to thrive and recreate the lush tropical foliage. Sky terraces wrapped with vertical green walls provide shade, minimizes heat load on the building façade and provide spaces of respite to benefit office occupiers. Planting mediums are located on accessible levels of the building for ease of maintenance and safety.

Jem Park, a level 5 to 7 cascading skypark, serves as the building's ecological and communal heart, providing a variety of active recreational spaces that the community can enjoy and bond. Elements on the podium roof (Jem Park), are unified harmoniously to form a '5th elevation' visible from the office tower. This effort extends to the design of skylights, playgrounds, even how cooling towers are screened using green walls and extensive green roof, to complement the lush park of 8000 sqm that spread across three floors. Jem Park is also designed to incorporate greenery into meeting areas, quiet reflection zones and a bio-diversity education corner to allow learning about nature through play.

Judges' Citation

As a mixed-use development, Jem made an impressive effort to effectively address the needs of all its users through a varied range of roof gardens at different levels. From recreation, play, education, to meeting areas, the various gardens have been aptly designed and located to suit their different purposes. Moreover, these green areas are easily accessible by the public. Green walls not only play a fundamental role in creating the iconic façade, but are also strategically placed for shading. Through lush and diverse planting palettes, the skyrise greenery at Jem forms a fluid, cascading green mantle that distinguishes the building from other developments within the Jurong Lake District.

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Media quote

Ms Jenny Khoo, Head of Retail Operations, Singapore, said,

‘Jem is honoured to win the Excellence Award at the Skyrise Greenery Awards 2015. This is a great recognition of Jem’s continuous efforts in creating sustainable and enjoyable spaces for the community. At Jem, the community is at the heart of everything we do. Our cascading sky terraces, wrapped with vertical green walls provide shade, minimizes heat load on the building façade and serve as the building’s ecological and communal heart. Jem Park on Level 5, 6, 7 promotes interaction and relaxation at the park and play areas. This industry recognition is a strong testament to Lendlease’s continual strong commitment to sustainability, in a vision to have the best built environment for Singapore.’

Media photos



Photo credit: Jem



Photo credit: SAA Architects Pte Ltd

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EXCELLENCE AWARD (COMMUNITY FACILITY) – Lee Kong Chian Natural History Museum

Project Address	2 Conservatory Drive, Singapore 117377
Type of Development	Community Facility
Skyrise Greenery completion date	Q1 2015
Area of Rooftop Greenery	585.92 sqm

Project Team

Owner	National University of Singapore
Architect	W Architects Pte Ltd
Landscape Architect	Tierra Design (S) Pte Ltd
Landscape Contractor	Flora Landscape Pte Ltd

The Lee Kong Chian Natural History Museum is the Republic's only museum dedicated to showcasing Southeast Asian biodiversity. The main building houses the Exhibition Gallery and the Zoological Reference Collection and is conceived as a 'rock' in the landscape. A geological allegory derived from its function as a museum of natural history and expressed by its strict geometry being cleaved to reveal a 'green' covered strata of planter boxes that are creatively integrated with the building and the surrounding environment.

Surrounding the museum on the mezzanine floor are three specially designed educational gardens which are freely accessible to members of the public. The Phylogenetic Garden showcases how plants have evolved, from the most basic form of plants (algae) to the more sophisticated flowering plants (monocots and eudicots). The Mangroves, Swamps and Dryland Forest section features the transition of plants from a mangrove habitat to that of a dryland rainforest. Showcased in this section are some of the unique plants native to Singapore that have adapted to inundation and salt tolerance to allow it to survive in certain demanding conditions. The Beach to Land Forest landscaped area has a selection of plants that exist from a coastal habitat to a rainforest. Plant signages were also installed to provide the users with information and for learning purposes.

Recessed into the facade of the building is a nature wall feature which is modelled after the coastal cliff landscapes of Singapore. The 'cleaved' planter cliff wall seeks to incorporate a diversity of plant species through varied planter depth design. This is in hope of encouraging other living organisms to inhabit the wall, creating a biodiverse nature wall feature.

Being a natural history museum with a key interest in the environment, the building approaches its green strategies through various aspects from building material, orientation, envelop strategy and energy efficiency. Concrete with the incorporation of washed copper slag and granulated blast furnace slag reduces the use of raw materials. The nature wall also establishes a heat screen, reducing the effective heat absorbed by the building envelope. This reduces the energy consumption of the building and its operational costs.

An intelligent irrigation system is adopted, where rainwater is harvested so as to utilise a natural resource that is readily available in Singapore. Coupled with the selection of efficient water fittings, it is estimated that the overall savings for water consumption will be more than 30%. Finally, there is an internal service access way behind nature wall for ease of maintenance and equipped with lifelines for the safety of maintenance workers.

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Judges' Citation

The Lee Kong Chian Natural History Museum sets itself apart from other developments as its landscaping fits impeccably into its entire storyline, and was evidently thought through right from the start of the project. At the Natural History Museum, skyrise greenery has been conceptualised according to naturally occurring habitat types, such as a coastal cliff. The ecological succession of plants from beach to land, and from mangroves, swamps to forests was also successfully executed. Native plants which are not typically used for rooftop greenery were also strategically incorporated to strengthen educational messaging. The judges highlight the Natural History Museum's innovative, yet purposeful take on skyrise greenery that ties in strongly with the building's form and function.

Media quote

"NUS is honoured to receive the Skyrise Greenery Excellence Award. This is a strong recognition of the University's continuous efforts in sustainable development and construction. With a long term vision of creating a biophilic campus, we aspire to incorporate lush greenery into our building designs wherever possible.

With the intent to showcase the biodiversity in Southeast Asia, the facade of the Lee Kong Chian Natural History Museum was designed to resemble a "moss covered rock" with a pocket where over 60 types of native plants, including mangrove specimens, are nurtured. The planter boxes in the pocket were modelled to simulate natural terrain in order to encourage local fauna, such as birds and butterflies, to inhabit the wall, creating a natural bio-diverse feature wall. This greening effort not only enhances the building's energy efficiency by acting as a heat screen to reduce the heat absorbed by the building, but also entices visitors to interact with the living garden."

Mr Chew Chin Huat

Director, Office of Facilities Management, National University of Singapore (NUS)

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Media photos

Photo credit: National University of Singapore



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EXCELLENCE AWARD (COMMUNITY FACILITY) – National Gallery Singapore

Project Address	1 Saint Andrew's Road, Singapore 178957
Type of Development	Community Facility
Skyrise Greenery completion date	Q1 2015
Area of Rooftop Greenery	311 sqm
Area of Vertical Greenery	575 sqm

Project Team

Owner	National Gallery Singapore
Architect	studioMilou Singapore Pte Ltd
Landscape Architect	ICN Design International Pte Ltd
Architect, C&S Engineer, M&E Engineer and Quantity Surveyor	CPG Consultants Pte Ltd
Main Contractor	Takenaka-Singapore Piling Joint Venture
Landscape Contractor	Flora Landscape Pte Ltd

National Gallery Singapore aims to be a leading arts museum that will excite and inspire with modern art from Singapore, Southeast Asia and the world. The museum is housed within two important historical buildings – the former Supreme Court and City Hall, which have been transformed into one stunning destination for culture in the heart of the city.

National Gallery Singapore will house 12,000 square metres of exhibition spaces featuring Singaporean and Southeast Asian artworks, and international exhibitions co-curated with other museums.

Restoration works have been planned around the original structure to preserve the buildings' architectural authenticity and character. The two monuments are now united beneath an elegant roof structure that creates a sense of continuity between the two buildings. This union provided an opportunity to integrate two Green-Walls at Level 4 Mezzanine of the former Supreme Court, and the rooftop garden located at Level 5 & 6 of old City Hall. With a combined length of 129m spanning both buildings, the 5m tall vertical green-wall gardens, serve as a green canvas that brings a sense of the outdoor garden into the gallery spaces at the former Supreme Court.

An extensive garden spanning 3,000 square metres is a key addition to the former City Hall building. The roof garden features exhibition and event spaces, restaurants, and cafes. Visitors can enjoy 180 degree views of the spectacular city skyline and the Civic District including Marina Bay. Closer to the Rooftop, views of the Padang, Queen Elizabeth Walk, the Esplanade, and the classical architecture of the former Supreme Court, and St. Andrew's Cathedral can be appreciated.

The restoration works have transformed the physical spaces and use of these historical monuments, enabling new connections that foster and promote human movement within the Gallery. The changes have breathed new life into the buildings, allowing visitors to gain a fresh and contemporary perspective of the site. Skyrise greenery incorporated into its carefully considered design approach, has enabled the National Gallery Singapore to set new paradigms for future restoration projects.

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The rooftop and vertical greenery at National Gallery Singapore were notably co-funded under the Skyrise Greenery Incentive Scheme, which aims to encourage the retrofitting of skyrise greenery in existing buildings.

Judges' Citation

Skyrise greenery at National Gallery Singapore has been tastefully integrated to restore, rejuvenate and unite two of Singapore's heritage buildings – the former Supreme Court and City Hall. The roof garden, flanked by a 5m tall vertical green wall, is a key addition to the restoration works. Cleverly designed to connect the two buildings, the garden also serves as a green canvas to bring together exhibition and event spaces, restaurants and cafes. Glass-bottomed water pools at the rooftop add a stunning finish, creating an artistic view of the garden from the floor below. The pools even reduce energy consumption of air-conditioning by cooling the interior. National Gallery Singapore demonstrates how skyrise greenery can be an integral component to restoration projects, renewing and adding a contemporary touch to historical buildings. Furthermore, this project exemplifies the transformation of what was previously an inaccessible roof used to locate services and piping, to a beautiful garden that the public can enjoy.

Media quote

“Beneath the elegant roof structure that unites the two monuments of the former Supreme Court and City Hall buildings, linear green-walls extending along the lengths of the each building, and an extensive rooftop garden have been integrated with the architecture. The landscape enhances the visitor's experience to the National Gallery Singapore, providing moments to reflect and refresh, after their visits through the galleries.

Carefully set above the two buildings, with an open clearing that looks towards the sky, and the dome of the Supreme Court, the landscaped spaces which are linked to restaurants, cafes, exhibition and event spaces, are organized with a spectacular view of the surrounding cityscape. The Roof-Top gardens consist of a series of verdant outdoor gallery spaces which extend from the internal galleries. These “civic garden galleries” allow all Singaporeans and visitors to experience activities ranging from exhibitions, performances, events, and dining throughout the day.

The landscape elements play an aesthetic, as well as functional part. The Green-walls located at the Former Supreme Court and City Hall are 44m & 78m long. The green-walls and linear planting provide a continuous natural green canvas along the length of the roof-top garden. They also serve as a green-screen for the Mechanical air exchange for the buildings.

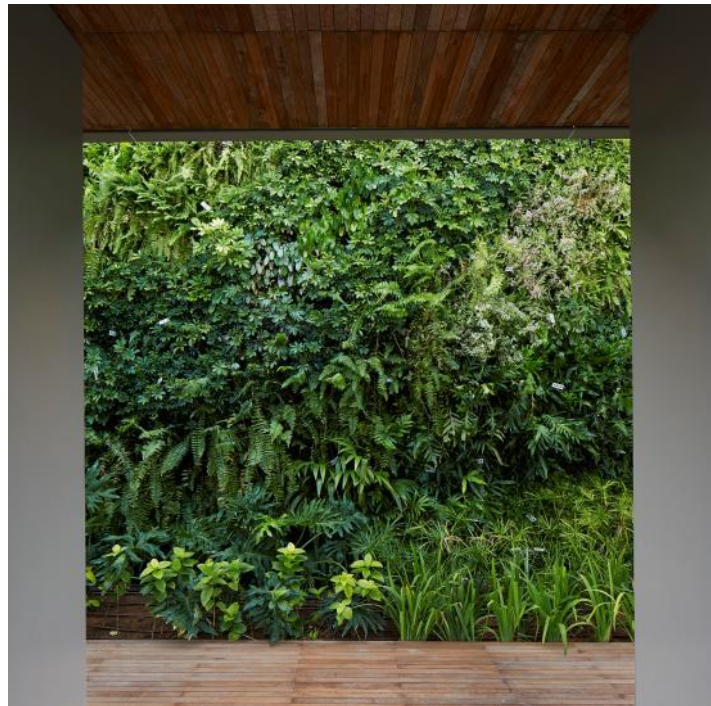
A central multi-purpose space is flanked with four planters with shady Bauhinia trees with lush tropical planting beneath. The outdoor spaces are defined by hedges of scented *Murraya paniculata* and *Aglaia odorata*. The pebble-wash pathways are disable friendly and allow all visitors to enjoy the spaces with ease.”

studioMilou Singapore Pte Ltd & ICN Design International Pte Ltd

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Media photos

Photo credit: Fernando Javier Urquijo, studioMilou Singapore



For media queries, please contact Chrystal Chua at 9010-1792 or Quek Siew Hoon at 9765-7560

EXCELLENCE AWARD (EDUCATIONAL INSTITUTION) – Nanyang Polytechnic

Project Address	180 Ang Mo Kio Avenue 8, Singapore 569830
Type of Development	Educational Institution
Skyrise Greenery completion date	Q4 2012 (for P3 Gdn) & Q4 2013 (S4 Gdn)
Area of Rooftop Greenery	321 sqm
Area of Vertical Greenery	732 sqm

Project Team

Owner	Nanyang Polytechnic
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As part of Nanyang Polytechnic (NYP)'s continual effort to create more green spaces for its students, two spacious roof areas in the campus have been transformed into beautiful roof gardens surrounded by lush vertical greenery.

The design of the first garden located at Block P, Level 3 was inspired by a butterfly in motion, where the colourful green walls symbolises the wings of a butterfly. The successful transformation of the first garden inspired the Polytechnic to create a second garden at Block S, Level 4, where the shapes and height of the trellises and planter boxes depict the undulating effect created by the ripples of the waters in the pond next to the block.

Both gardens comprise ample seating and shelters for NYP students, allowing them to appreciate the lush and green environment as their learning and recreational space.

The rooftop gardens at Nanyang Polytechnic were co-funded under the Skyrise Greenery Incentive Scheme, which encourages the retrofitting of skyrise greenery in existing buildings.

Judges' Citation

Nanyang Polytechnic's two retrofitted roof gardens are a stark contrast from the harsh concrete that used to clad these sizeable spaces. The gardens have since become prime locations for their students to study, engage in recreational activities and interact with nature. This comes as no surprise to the judges because the cosy, lush and conducive gardens feature a good mix of plants, verdant green walls, as well as ample seating and shelter. The beautiful and functional gardens demonstrate how an interactive and sustainable design approach is central to creating attractive and useable spaces.

Media quote

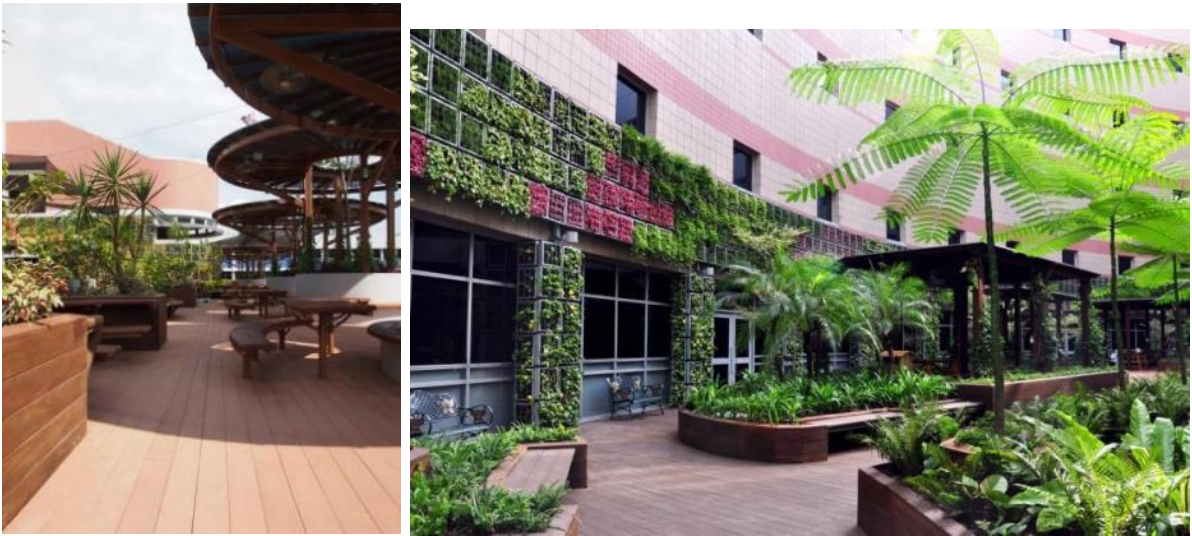
"NYP is honoured and excited to receive NPark's Skyrise Greenery Excellent Award 2015. As a tertiary institution, we are committed to enhancing our students' learning experience to be environmentally friendly and beyond the classroom. Hence, we have maximised the available roof spaces to build these two roof gardens at NYP. These gardens have become very popular with our students. They head there for a wide variety of activities: group study, Wushu and Taichi practices, as well as milestone events like wedding and graduation photo shoots! They are so proud of these spaces that some even refer to them as their very own 'Gardens by the Bay'."

*Mr Ang Eng Nam,
Director of Estates Management, Nanyang Polytechnic*

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Media photos

Photo credit: Nanyang Polytechnic



Roof gardens at Block S, Level 4 (left) and Block P, Level 3 (right)

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EXCELLENCE AWARD (RESIDENTIAL – MULTI-UNITS)

SkyTerrace@Dawson

Project Address	89-93 Dawson Road, Singapore 142089
Type of Development	Residential
Skyrise Greenery completion date	2Q 2015
Area of Rooftop Greenery	4,700 sqm
Area of Vertical Greenery	953.41 sqm

Project Team

Owner	Housing & Development Board
Architectural Consultant	SCDA Architects Pte Ltd
Landscape Designer	SCDA Landscape Pte Ltd

Developed as part of the Housing-in-the-Park concept under HDB's Remaking Our Heartland (ROH) plans for the Dawson estate, SkyTerrace @ Dawson offers multi-generational living, set in a scenic park-like environment, with greenery and connectivity to the surroundings right at the residents' doorsteps. There are abundant green communal spaces, such as roof gardens and terraces on different levels for residents to mingle and enjoy scenic views of the surroundings.

Located in Dawson Estate, the project is bound by Margaret Drive on the north and by Dawson Road on the west. Running along its entire southern boundary is the Alexandra Canal Linear Park. There are future plans to convert Margaret Drive into an ecological corridor. Thus, the eventual aim is to provide seamless connectivity to greenery at both the northern and southern parts of the site.

This green concept is expanded further by introducing lush landscaping on the ground plane that travels up the building façades in the form of green terracing, roof gardens and green sky terraces spanning between the towers. The main bulk of the skyrise greenery can be found at the multi-storey carpark (MSCP) block, where cascading green terraces and edge planters screen the façade. The majority of the MSCP roof garden is covered by a linear undulating turfed area integrated with seating, low levels shrubs and small trees complementing the landscape. The 6 sky terraces linking the 6 residential tower blocks, which serve as fire refuge holding areas, as well as communal gathering points, are also landscaped with shrubbery and small trees to give a conducive environment. These green spaces all serve as convenient communal gathering spaces for the residents, given their close proximity to the residential towers.

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Photo credit: SCDA Architects

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EXCELLENCE AWARD (RESIDENTIAL – MULTI-UNITS) – The Interlace

Project Address	200 Depot Road, Singapore 109694
Type of Development	Residential
Skyrise Greenery completion date	2013
Area of Rooftop Greenery	23,588 sqm

Project Team

Owner	CapitaLand Group, Hotel Properties Limited and a third shareholder
Landscape Architect	ICN Design International Pte Ltd
Architect	RSP Architects Planners & Engineers (Pte) Ltd
C&S Engineers	T. Y. Lin International (Pte) Ltd
Main Contractor	Woh Hup (Pte) Ltd

Located at Depot Road, The Interlace is a 1,040-unit project which completes a 10-kilometre long green belt that stretches between the Kent Ridge, Telok Blangah Hill and Mount Faber parks. Designed to promote a sustainable living environment, the units come with sky terraces and roof gardens. About 140 different species of trees and plants, and more than 2,000 trees or palms were planted to encourage diverse habitats to flourish. Forty mature trees from the original site were also conserved. Thirty-one super blocks, each six storeys tall, are stacked in a hexagonal arrangement to form eight landscape-themed courtyards. Extensive facilities such as swimming pools, playgrounds and courtyards, are interwoven into the lush vegetation of this eight-hectare site, offering opportunities for leisure and social interaction. All sky terraces and courtyards, which are evenly distributed throughout the site, are designed with individual themes. The communal gardens encourage community bonding as residents can get involved in the care of the landscape. To encourage the greening of the balconies and facade, CapitaLand also provided the owners with plants for their planters when they first moved in. This extensive landscaping and sky gardens has increased the greenery footprint at The Interlace to 112% of its original land area.

Judges' Citation

While mostly hidden when viewed from street-level, the multi-tiered landscape of The Interlace is lush and impactful up close. The designers have well exploited the building's unique architectural form for skyrise greenery, resulting in landscaping that feels expansive yet easily accessible to residents and their visitors. In particular, themed gardens nestled within the development in the form of mid-level decks and roof gardens feature interesting plant palettes, provide socially engaging garden spaces, and offer picturesque views from every angle.

*For media queries, please contact Chrystal Chua at 9010-1792 or
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Media photos



Photo credit: Craig Sheppard



Photo credit: CapitaLand



Photo credit: CapitaLand

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EXCELLENCE AWARD (RESIDENTIAL – SMALL SCALE) – Cornwall Gardens

Type of Development	Residential (Small scale)
Skyrise Greenery completion date	Q3 2014
Area of Rooftop Greenery	300 sqm
Area of Vertical Greenery	300 sqm

Project Team

Owner	The Choo Family
Design and Project Architect	CHANG Architects
Landscape Architect	Hawaii Landscape Pte Ltd
Structural Engineer	CITY-TECH ASSOCIATES
Quantity Surveyor	LCH Quantity Surveying Consultant
Main Contractor / Builder	Kian Huat Decoration Construction Pte Ltd
Water Consultant	The Water Consultant Group Pte Ltd
Carpenter	East Interior Pte Ltd
Lighting Specialist	Speclitez Enterprise
Home Automation Specialist	Benz Private Limited

This house is intended for multi-generation living. The client wanted an ‘open home, a cool tropical paradise for the family’, encouraging their children to ‘raise their families here when they grow up’.

Designed with an I-Thou relationship with nature, the family and nature share the same breathing space. Plants, water bodies, and living spaces are integrated as one. The setting provides daylighting, natural ventilation, and passive cooling. It offers an ecological-friendly environment that promotes general wellness for all.

At the foyer, an old retaining wall with a history of leakage has been transformed into a green courtyard with waterfall feature. Visitors are now greeted with tropical rainforest plants and the sounds of cascading water, which can be enjoyed from all levels.

Working with the existing terrain, built-ups that contributed to the site coverage are utilised as planters for tropical fruit trees, to cool ambient temperature, and to insulate the interiors. On plan, the house is a green oasis amongst the neighbourhood, of landscape decks and cascading planters framing the bio pool and ponds. These are the catchment areas for rainwater harvesting, to be recycled for irrigation.

Planting verandahs of varying plant species line the peripheries of the rooms and overlook the central pool. This continues to form a planter bridge of passion fruits, where climbing vines provide sun-shade from the setting sun, and a privacy screen for the neighbours.

This house has become the popular gathering place for the extended families and friends, and it has also attracted a host of biodiversity – from bees, butterflies to squirrels.

By living with and constantly in touch with nature, this house offers fresh definitions for ‘good class’ living in the tropics. It reflects the great collaboration between the client and the team of consultants and builders, in making this contemporary tropical setting possible.

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Judges' Citation

Cornwall Gardens undoubtedly challenges the existing paradigms of skyrise greenery in Singapore. With greenery inside out, and outside in on all fronts, the judges were impressed with of this seamless integration of nature with the living space. The selection of materials and finishes were also interesting, and well-aligned with the design concept and landscaping. Cornwall Gardens has set the bar high for the design and execution of skyrise greenery in the Residential – Small Scale category.

Media quote

“I spent some of my early childhood growing up in a rubber plantation and loved the lush tropical forest which bounded the crystal clear brook which was teeming with river life - prawns, tiger barbs, fighting fish and wild gourami. When we built our home we thought how wonderful it would be to arrive home from work just to be greeted by the greenery, streams and natural beauty one would only see in places so far away from urban Singapore. It would also be a wonderful environment for our grandchildren to grow up in.

We were overjoyed that this dream has become a reality for us and this Skyrise Greenery Award is an unexpected and wonderful honour to complete the journey.

We like to thank the SGA for their efforts to encourage and reward efforts such as these so that the world can appreciate the remarkable architectural and landscaping talent we have in Singapore.”

Owner, Cornwall Gardens

Media photos (all photos credit to Albert Lim K. S.)



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SPECIAL AWARD (COMMUNITY ENGAGEMENT) – Spectra Secondary School

Project Address	1 Woodlands Dr 64, Singapore 737758
Type of Development	Educational Institution
Skyrise Greenery completion date	Q4 2014
Area of Rooftop Greenery	175 sqm

Project Team

Owner	Spectra Secondary School
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Spectra Secondary School's Edible Learning Garden supports a values-driven Garden-Based Service Learning (GBSL) curriculum that integrates academic and vocational aspects. The GBSL utilises the garden as a teaching tool for students to learn knowledge, skills, values and attitude through learning experience in the garden.

To encourage biodiversity on an otherwise barren rooftop, the Edible Learning Garden is home to over 70 varieties of plants, most of which are edible. They include fruit trees, medicinal plants, culinary herbs, leafy vegetables and more. These plants attract a wide variety of birds and insects, including bees and butterflies. To promote sustainability, the students also practice composting, upcycling and seed-saving in the garden. As part of GBSL, the students organise a Farmers' Market at the end of the term to sell their self-grown produce to raise funds for the needy students. Future plans include to cook the harvested produce in the kitchen and to serve it in the bistro.

The rooftop garden at Spectra Secondary School was notably co-funded under the Skyrise Greenery Incentive Scheme, which aims to encourage the retrofitting of skyrise greenery in existing buildings.

Judges' Citation

Roof gardens create wonderful opportunities for schools to educate students about food production, from garden to table. Central to a dynamic and holistic values-driven curriculum, Spectra Secondary School's Edible Learning Garden has been well-utilised as a teaching tool to develop students' knowledge, skills, and attitudes through a hands-on learning experience. The judges commend the school's efforts, where they have not only effectively educated students on urban gardening, but also engaged the wider community through initiatives such as their Farmers' Market, where all proceeds of their self-grown produce go to charity.

Media quote

"The main purpose of starting the Spectra Edible Learning Garden was to support our values-driven Garden-Based Service Learning curriculum. The coming together of parents, teachers, volunteers and community partners in learning and contributing towards the development of the garden has been a welcomed bonus. It is not uncommon to see different groups of students, parents, volunteers and teachers working and enjoying their time in the garden on a Saturday morning.

The Special Award for Community Engagement affirms our believe that "it takes a village to raise a child". Our school plans to continue our engagement with our stakeholders to nurture our students."

Krishnan Aravinthan

Principal, Spectra Secondary School

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Media photo



Photo credit: Phoon Lyvenne

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SPECIAL AWARD (DIY PROJECT) – The Green Line @ NatSteel

Project Address	22 Tanjong Kling Road, Singapore 628048
Type of Development	Commercial
Skyrise Greenery completion date	April 2014
Area of Vertical Greenery	45.9 sqm

Project Team

Owner	NatSteel Holdings Pte Ltd
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The Green Line is a vertical green wall that adorns the main entrance of NatSteel Holdings Pte Ltd. The brainchild of a small team of environmentally conscious champions in the company, the green wall was constructed entirely by NatSteel Green Committee, from the steel structure to the irrigation system to the plants. Different species of plants are used on the wall to form a tapestry of colours and brilliant textures.

The Green Line aims to inculcate a green culture within the work environment and in turn, bind all the employees together.

The Green Line was notably co-funded under the Skyrise Greenery Incentive Scheme, which aims to encourage the retrofitting of skyrise greenery in existing buildings.

Judges' Citation

With a variety of off-the-shelf vertical greenery systems available on the market, the judges applauded the environmental champions of NatSteel Holdings Pte Ltd who had a personal stake in greening up their workplace. From the steel structure, irrigation system, to plants selected, the DIY vertical green wall was notably constructed and maintained entirely by NatSteel's staff. This is a commendable effort that exemplifies how skyrise greenery can be accessible to everyone.

Media quote

"We are happy and humbled to be accorded with such an award. Tucked at an industrialised area like Jurong, our green committee thought it would be a good idea to play our small role to help transform this part of the island with more green and lush. Given that the factory is mostly concreted and has building walls, the idea of putting green on vertical surface started to take fruit. We are glad that these green patches are getting noticed.

Through constructing *The Green Line*, it is our aim to inculcate a green culture within the work environment and in turn, bridge cultural gaps between users. It serves as a meeting point for employees to gather and interact. It also makes good use of space that would otherwise go unnoticed or unused.

The Green Line is creatively integrated with the building structure through converting an existing wall to hold 2,673 pots of plants that were carefully chosen and propagated. Interesting design motifs are created amidst the lush foliage, drawing on the characteristics of selected plant species to form a tapestry of colour and brilliant textures. It is a key DIY concept that has changed the landscape at NatSteel; it leads the forthcoming green initiatives that support our vision to turn our steel plant into 'A Steel Mill in a Garden'."

Mr. Joseph Yong
Chairman, NatSteel Green Committee

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Media photo



Photo credit: National Parks Board

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SPECIAL AWARD (RETROFIT PROJECT) – KK Women’s and Children’s Hospital

Project Address	100 Bukit Timah Road, Singapore 229899
Type of Development	Community Facility
Skyrise Greenery completion date	2012
Area of Rooftop Greenery	4,436 sqm

Project Team

Owner	KK Women’s and Children’s Hospital
Architect	Zahidi A R Arkitek
Green Roof Contractor	Plantwerkz Pte Ltd

The 830-bed KK Women’s and Children’s Hospital (KKH) is a referral centre providing tertiary services to handle complex conditions in women and children. When a single-storey office floor was added to the top of the existing podium block, the hospital decided to add an extensive green roof to beautify the vast space and to create a therapeutic green oasis for its patients.

The green roof adds an aesthetic element to the hospital’s façade. Visible from the wards located above it, the green roof helps to create a more soothing and pleasant environment for recuperating patients staying in the wards. In addition, it also helps to lower the roof surface temperature, helping the hospital to reduce cooling costs. KKH’s extensive green roof was notably co-funded under the Skyrise Greenery Incentive Scheme, which aims to encourage the retrofitting of skyrise greenery in existing buildings.

Judges’ Citation

Spanning a vast 4,436 square metres on a metal roof surface, the judges were impressed at the sheer scale of the extensive green roof retrofitted atop the podium block of KK Women’s and Children’s Hospital. The green roof, which is highly visible from the wards above, provides a therapeutic oasis for patients and plays a pivotal role in enhancing the healing environment of the hospital. This project is a good example of how a green roof can effectively cut down the heat load on the building, as well as reflect heat to the surroundings.

Media quote

“KKH is very encouraged to receive the Special Award, under the Skyrise Greenery Awards 2015, from National Parks Board (NParks). This is a testament to our commitment towards protecting the environment, and promoting continual improvements to achieve our environmental, health and safety targets and objectives. There were points of learning as we implemented the skyrise green roof in KKH and we are appreciative of and thank NParks for this award. The green roof now not only beautifies the towers at KKH, but also reduces the heat and sound load to the new office space.”

Mr Alson Goh, Chief Operating Officer, KK Women’s and Children’s Hospital

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Media photo



Photo credit: National Parks Board

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SPECIAL AWARD (RETROFIT PROJECT)

Liang Seah Place

Project Address	1 Liang Seah Street, Singapore 189022
Type of Development	Commercial/ Industrial
Skyrise Greenery completion date	2011
Area of Rooftop Greenery	360 sqm

Project Team

Owner	Tan Jin Chwee & Co Pte Ltd
Architect	Yi Architects
Landscape Maintenance Contractor	Long Yuan Garden Landscape

Liang Seah Place demonstrates the successful transformation of a conservation building with an unusable tiled pitched roof into a 17,000 square metre roof garden where the 31 household in the property can utilise for recreation. This fully maximises the potential of this roof – the garden is now a place for relaxation and social gathering as well as a viewing deck for picturesque sights of the city. To enhance the garden’s sustainability, biodiversity-attracting and low-maintenance plants were selected in addition to them being aesthetically-pleasing.

Liang Seah Place’s rooftop garden was notably co-funded under the Skyrise Greenery Incentive Scheme, which aims to encourage the retrofitting of skyrise greenery in existing buildings.

Judges’ Citation

The judges lauded the efforts taken to successfully convert a pitched roof into a beautiful garden – all in a narrow strip of rooftop space. The rooftop garden now offers residents a comfortable space to enjoy picturesque views of the Central Business District, and is a leading example of how greenery can transform unused rooftops in existing buildings.

Media quote

“Our rooftop garden has provided more green space for the occupant of the building, where people often relax and hold social gatherings. Previously, the garden was an unusable tiled pitched roof. This is a window of what is possible to rejuvenate an old building.”

*Mr Tan Kay Hum
Director, Tan Jin Chwee & Co Pte Ltd*

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Media photo



Photo credit: National Parks Board

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APPENDIX 1: Past Winning Projects

SIA-NParks Skyrise Greenery Awards 2008:

- Naumi Hotel (Singapore, Hotel)
- Newton Suites (Singapore, Residential development)
- One George Street (Singapore, Office building)
- VivoCity (Singapore, Shopping mall)

SIA-NParks Skyrise Greenery Awards 2009:

- Completed projects:
 - 1st prize - Orchard Central (Singapore, Shopping mall)
 - 2nd prize - Central Horizon (Singapore, Residential development)
- Yet to be constructed projects (as of the awards 2009)
 - 1st prize – Solaris (Singapore, Office building)

SIA-NParks Skyrise Greenery Awards 2010:

- Completed projects:
 - 1st prize – Khoo Teck Puat Hospital (Singapore, Hospital)
 - 2nd prize – 36 & 38 Armenian Street (Singapore, Office/Residential development)
 - 3rd prize – Head for the Hill (Melbourne, Office building)
- Yet to be constructed projects (as of 2010)
 - 1st prize – R4 apartments (Singapore, Residential development)

SIA-NParks Skyrise Greenery Awards 2011:

- Completed projects:
 - 1st prize - Hanging Garden in CBD - A Fusion of “Archi-Nature”TM at 158 Cecil Street (Singapore, Office building)
 - 2nd prize - The Helios Residences (Singapore, Residential development)
 - 3rd prize - myVillage (Singapore, Shopping mall)
- Honourable mention projects:
 - 6 Battery Road – Vertical Garden (Singapore, Office building)
 - MapleTree Business City (Singapore, Office development)
 - Treelodge @ Punggol (Singapore, HDB estate)
 - Universal Studios Singapore, Resorts World Sentosa (Singapore, Theme Park)

NParks Skyrise Greenery Awards 2013:

- Outstanding Award:
 - PARKROYAL on Pickering
- Excellence Awards:
 - Double Bay Residences
 - Hougang Primary School
 - ITE Headquarters and ITE College Central @ Ang Mo Kio
 - Ocean Financial Centre
 - Punggol Breeze
 - T House
- Special Awards – Community Engagement:

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- Bedok View Secondary School
 - Sky Garden @ Jurong Central
- Special Award – Design for Maintenance
 - Coach Park Link Bridge at Sentosa
 - Tree House
- Special Award – Extensive Green Roof
 - Education Resource Centre
- Special Award – Innovation
 - Hougang Primary School
 - Wellington Primary School
- Special Award – DIY Project
 - Hougang Primary School
- Special Award – Skyrise Greenery in a Garden
 - Gardens by the Bay

More information can be found at www.skyrisegreenery.com

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