

## JOINT MEDIA RELEASE

### PHOTO RELEASE: TERTIARY STUDENTS SPARK OFF IDEAS FOR GREEN COMMUNITY SPACE ATOP CITY SQUARE MALL

- *Singapore Polytechnic team wins top prize in BCA-CDL Green Sparks Competition 2015/16*
- *21 team submissions received from seven local tertiary institutions*
- *Revamped Green Mark scheme as judging criteria a first for this competition series*

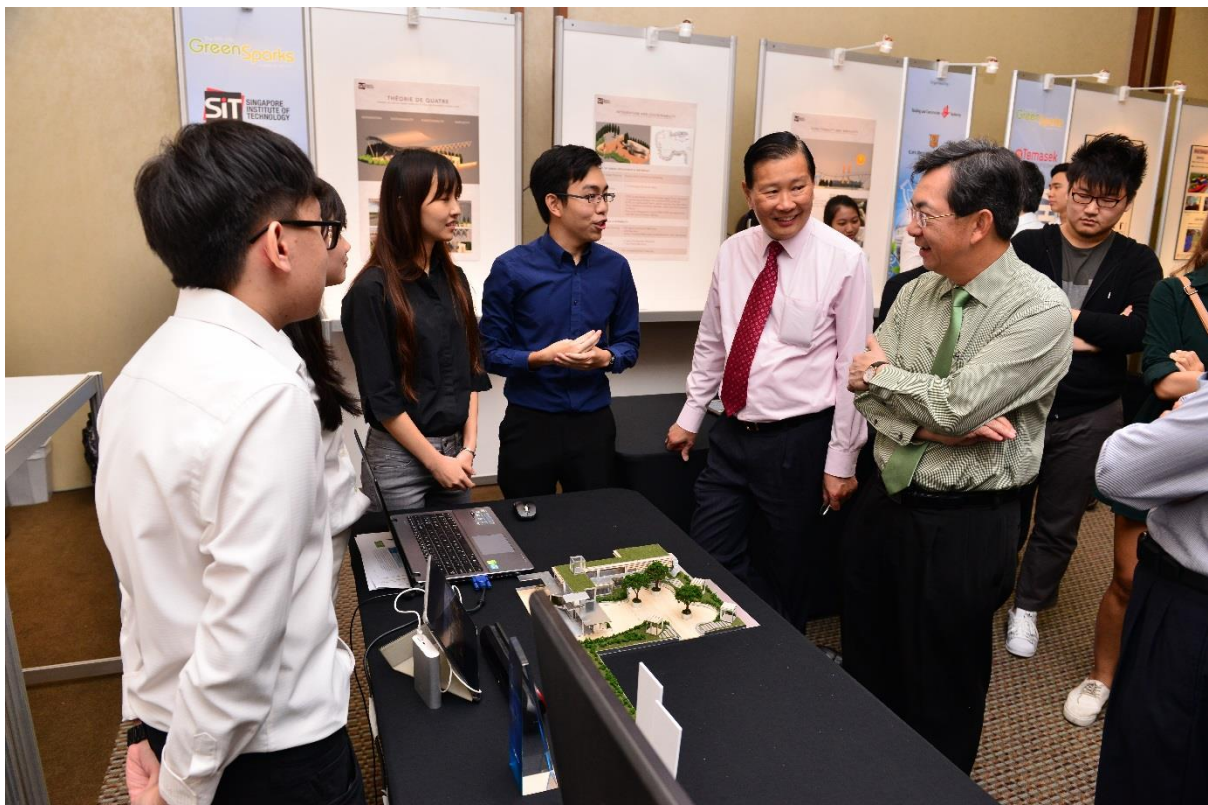
**Singapore, 9 April 2016** – A team of five students from Singapore Polytechnic emerged champions at the finals of BCA-CDL Green Sparks Competition 2015/16 held on Friday, 8 April 2016 at BCA Academy. Coming in second and third positions were another team from Singapore Polytechnic and Temasek Polytechnic respectively.



*Jointly organised by the Building and Construction Authority (BCA) and City Developments Limited (CDL), this year's BCA-CDL Green Sparks Competition challenged participants to conceptualise a sustainable community space for City Square Mall's existing Sky Park at Level 6.*



*Guest-Of-Honour Mr Lee Fook Sun, Chairman of BCA (third from left); Dr John Keung, CEO of BCA(fourth from left); and Ms Esther An, Chief Sustainability Officer of CDL (fourth from right) presented the top prize to the winning team, “05-ARCHI” from Singapore Polytechnic.*



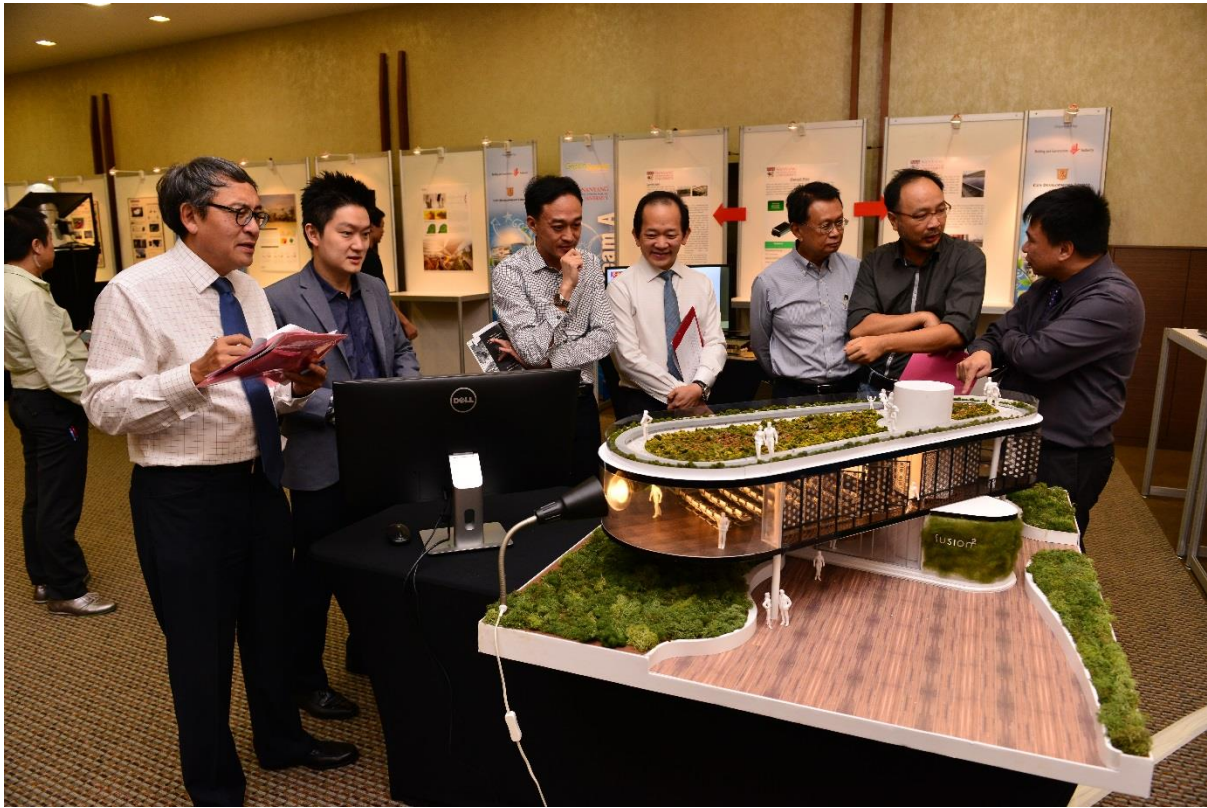
*The winning team's "Stack'd up @ City Square Mall" stood out from the entries of the eight finalists with their compelling design that converts the space into an energy-efficient, multi-functional facility for family and community bonding activities. The design leverages the existing infrastructure and capitalises on the vantage views of the site. It also incorporates the use of recycled shipping containers into a modular and stacked building system.*



*"AUSIEcture", another team from Singapore Polytechnic won the 2<sup>nd</sup> prize for their "fusion<sup>2</sup>" design, which uses a passive design approach that facilitates natural ventilation through the strategic orientations of their building structure based on the wind directions of the space.*

A total of 21 teams submitted their concept paper entries earlier in January this year. Teams were judged based on the amount of energy savings, environmental benefits, feasibility, creativity and aesthetic appeal of the design. Teams also had to elaborate how their design features tie in with the components of the new Green Mark 2015 scheme – a key judging criteria in this year's competition.

Participants hailed from seven local tertiary institutions including Nanyang Polytechnic, Temasek Polytechnic, Singapore Polytechnic, National University of Singapore, Nanyang Technological University, Singapore Institute of Technology, as well as Singapore University of Technology and Design - up from five participating institutions in the previous seasons.



*Eight finalist teams were shortlisted to pitch their design concepts in a booth presentation style to a panel of industry experts. The panel was led by the chief judge Er. Ng Eng Kiong (third from right), Immediate Past President of Singapore Green Building Council.*

Held for the third time, the BCA-CDL Green Sparks Competition is a biennial national green built environment competition and public-private initiative by BCA and CDL to engage and nurture local tertiary students' effort to green Singapore's built environment and to raise awareness of the best green building practices and solutions amongst future practitioners.

Launched in 2010, the first BCA-CDL Green Sparks Competition called for participants to submit concept proposals to retrofit Fuji Xerox Towers into an exemplary BCA Green Mark Platinum building, while the second edition saw the conceptualisation of a new generation green show suite for a CDL residential development site. NUS teams were the champions in the first two competitions.

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## **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, 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 City Developments Limited**

City Developments Limited (CDL) is a Singapore-listed international real estate operating company with a global presence spanning 94 locations in 26 countries. As one of Singapore's largest companies by market capitalisation, its income stable and geographically-diversified portfolio comprises residences, offices, hotels, serviced apartments, integrated developments and shopping malls, totalling over 18 million square feet of floor area globally. In Singapore, CDL has developed over 36,000 homes and is one of Singapore's largest commercial landlords, with one of the biggest landbanks amongst Singapore private-sector developers.

Having established its ethos of 'Conserving as we Construct' in 1995, CDL has been leading the industry with green building innovation from first-of-its-kind sustainable developments that inspire eco-friendly lifestyles to industry-changing methods that promote recycling, reduce waste and raise productivity. CDL is the first developer conferred the BCA Green Mark Platinum Champion and Built Environment Leadership (Platinum) Awards. It has also achieved over 80 BCA Green Mark buildings and office interiors to date, the highest among Singapore developers. Globally, CDL remains the first Singapore corporation to be listed on three of the world's leading sustainability benchmarks – FTSE4Good Index Series (since 2002), Global 100 Most Sustainable Corporations in the World (since 2010) and Dow Jones Sustainability Indices (since 2011). In the Channel NewsAsia Sustainability Ranking 2015, CDL was named Top Property Developer in Asia, Top Singapore Corporation, and among the top 10 sustainable companies in Asia.

For more information, visit [www.cdl.com.sg](http://www.cdl.com.sg).

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## **Appendix: BCA-CDL Green Sparks Competition 2015/16 Factsheet**

### **Background**

Launched in 2010, the BCA-CDL Green Sparks Competition is a national-level green built environment competition and a public-private initiative by the Building and Construction Authority (BCA) and leading green developer City Developments Limited (CDL).

### **Objective**

To engage local tertiary students in the national effort to green the built environment and to raise awareness of best green building practices and solutions amongst future practitioners. Through this outreach programme, the organisers hope to inspire the youth to join us in the 'green building' movement and do their part for the environment.

### **Project brief for BCA-CDL Green Sparks Competition 2015/16**

To conceptualise a sustainable community space with innovative green design features at City Square Mall's existing Sky Park.

Located at level 6 of Singapore's first Eco-mall, City Square Mall, the Sky Park (image below) is a 4,000 sq ft outdoor event space, of which the utilisable area is approximately 25 metres by 17 metres. Currently utilised by community-interest groups as a venue for community events and activities, the space is surrounded by meandering planter boxes which are irrigated by rainwater to conserve water.



Teams were required to submit design concept proposals that enhance the functionality of the outdoor space, into a weather-proof, naturally ventilated, roofed green facility with a gross floor area of up to 280 square metres. The proposed design concepts were to cover the following requirements:

- Address the components of Green Mark 2015 for Pilot
  - i.e. Climatic Response; Building Energy Performance; Resource Stewardship; Smart and Healthy Building; and Advanced Green Efforts.
  - For more info on Green Mark 2015 for pilot, please refer to [http://www.bca.gov.sg/green\\_mark/pdf/GM2015\\_NewBuildings\\_NRB\\_Pilot.pdf](http://www.bca.gov.sg/green_mark/pdf/GM2015_NewBuildings_NRB_Pilot.pdf)
- Be self-sustaining in full or in part
- Include creative and flexible training spaces for multi-purpose use and activities
- Approximately 60% of total communal space be used for training purposes
- Provision of administrative support space

More information could be found [here](#).

## **Judges**

### Chief Judge

- Er. Ng Eng Kiong, Immediate Past President, Singapore Green Building Council

### Other Judges

- Mr Ang Kian Seng, Group Director (Environment Sustainability), Building and Construction Authority
- Mr Anthony Chia, Executive Vice President, Projects, City Developments Limited
- Mr Tan Szue Hann, Manager (Sustainable Urban Solutions) & Principal Architect, Surbana Jurong
- Mr Tang Kok Thye, Associate Partner, ADDP Architects LLP
- Mr Steven Low, Senior Director (Architecture), Ong & Ong Pte Ltd

## **Scoring**

Concept proposals were judged on the following criteria:

- Energy Savings and Environmental Benefits
- Functionality/Practicality/Cost Effectiveness
- Creativity and Originality
- Aesthetical Sensibility and Emotional Appeal



## Winners

Prize	Team Name (Project title)	Institution
<b>First Prize</b> <i>S\$10,000 cash and plaque</i>	05-ARCHI (Stack'd up @ City Square Mall)	Singapore Polytechnic
<b>Second Prize</b> <i>S\$7,000 cash and plaque</i>	AUSIEtecture (fusion <sup>2</sup> )	Singapore Polytechnic
<b>Third Prize</b> <i>S\$5,000 cash and plaque</i>	Team Alpha (Discovering Senses)	Temasek Polytechnic
<b>Merit Prize Winners</b> <i>S\$1,000 cash and certificate of participation (Listed in no particular order)</i>	diseño verde (floating green)	Singapore University of Technology and Design*
	Théorie de Quatre (The Theory of Four)	Singapore Institute of Technology*
	The Greenies (Free & Green)	National University of Singapore
	Team A (Cabin On The Roof <sup>2</sup> )	Nanyang Technological University
	The GreeNUS (City Kampung)	National University of Singapore

## Other Participating Teams

*(Listed in no particular order)*

Team Name	Institution
Team Beastly Cybernetic Aces	Nanyang Polytechnic*
Terra Novus A-Team S.C.A.R. DEWT Team 2 etc. SPA	Singapore Polytechnic
Team GBS The Hot Devils Team Mavericks	Temasek Polytechnic
CityCity+ GROW (Greens of the Respect for Our World) ENV Engineers	Nanyang Technological University

\*Schools participating for the first time

**Artist impressions of Top 3 winners' designs**

1<sup>st</sup> position: Stack'd up @ City Square Mall

By 05-ARCHI from Singapore Polytechnic



2<sup>nd</sup> position: fusion<sup>2</sup>

By AUSIEecture from Singapore Polytechnic



3<sup>rd</sup> position: Discovering Senses

By Team Alpha from Temasek Polytechnic

