



BCA AWARDS 2018

Recognising Excellence in the Built Environment





BCA BUILT ENVIRONMENT LEADERSHIP AWARD



The BCA Built Environment Leadership Award was introduced in 2009 to recognise outstanding industry organisations such as developers, consultants (Architectural, Structural and M&E) and builders, which have demonstrated excellence and leadership in shaping a safe, high quality, sustainable, friendly and productive built environment in Singapore. It also aims to serve as a comprehensive roadmap for the building and construction industry to level up and spur these organisations towards higher degree of professionalism with enhanced capabilities and competitiveness.

There are four types of Award

– **Platinum Star, Platinum , Gold^{PLUS} and Gold**

The Platinum Star is a new tier introduced in 2018. This prestigious award is conferred to organisations that have fulfilled the following criteria:

- Met all requirements of a Platinum award; and
- Held the Platinum award for at least five years with sustained Platinum performance

The Awards will be given out for the following six categories:

1. Developer / Owner
2. Architectural Consultant
3. Structural Consultant
4. M&E Consultant
5. Multi-Disciplinary Consultant
6. Builder



**CITY
DEVELOPMENTS
LIMITED**

KEY ACHIEVEMENTS (2015-2017)

System

Singapore Quality Class STAR, ISO 9000 Quality Management System, ISO 14000 Environmental Management System and OHSAS 18000 Occupational Health & Safety Management.

Result

- **BCA Awards**
Quality Excellence Awards - Quality Champion (Platinum), Construction Excellence Awards, Universal Design Awards, Green Mark Champion Award, Construction Productivity Award – Advocates etc.
- **Innovations**
The Brownstone Executive Condominium – Various methods were deployed to increase construction productivity. It is the first and largest private residential development that utilises the Prefabricated Prefinished Volumetric Construction (PPVC) construction method. Design for Manufacturing & Assembly (DfMA) construction, early contractor involvement, and extensive use of Building Information Modelling (BIM) were also adopted and implemented successfully in this project.
- Singapore Sustainability Academy – Zero carbon footprint building. DfMA construction using PPVC and sustainable cross laminated timber (CLT) as main structural construction material.
- **International Awards**
RoSPA Occupational Health & Safety Awards, BCI Asia Awards, etc.
- Fiabci Prix D'Excellence Award, NParks LEAF Awards, SGBC – BCA Sustainability Leadership Award, etc.

HOUSING & DEVELOPMENT BOARD

BCA BUILT ENVIRONMENT LEADERSHIP AWARD | PLATINUM STAR



HOUSING & DEVELOPMENT BOARD

KEY ACHIEVEMENTS (2015-2017)

System

Singapore Quality Award, ISO 9000 Quality Management System..

Result

- **BCA Awards**
Design and Engineering Safety Excellence Award, Construction Excellence Awards, Green Mark Platinum and Gold^{PLUS} Awards, Universal Design Awards, etc.
- **Other Local Awards**
SCDF Strategic Partner Award, Singapore Concrete Institute Excellence Awards, SGBC-BCA Sustainability Leadership Award, Energy Globe Award, NParks LEAF Awards, etc.
- **Innovations**
Using GIS modelling tools such as "Integrated Planning and Analysis (iPLAN)" for town planning. Biophilic framework for the design of the Punggol Northshore District and patented prefabricated extensive green (PEG) roof modules. HDB BIM guide for industry, Virtual Design and Construction (VDC) with BIM, mobile applications for construction and defects management, use of robotics and drones for building inspection, etc.
- **International Awards**
ESRI Special Achievements in GIS (SAG) Awards, RoSPA Occupational Health & Safety Awards, BCI Asia Awards, American Sustainability Honour Award, etc.

KEY ACHIEVEMENTS (2015-2017)

System

ISO 9000 Quality Management System, ISO 14000 Quality Management System.

Result

- **BCA Awards**

Design & Engineering Safety Excellence Awards, Construction Excellence Award, Construction Productivity platinum Awards, Green Mark Platinum and Gold^{Plus} Awards, Construction Productivity Awards, etc.

- **Other Local Awards**

SCDF Fire Safety Design Excellence Award, SSSS Structural Steel Excellence Merit Award, IStructE Structural Heritage Award, IES Top 50 Engineering Feats @ IES-SG50 Awards, ACES Design Excellence Award, etc.

- **Innovations**

First local Mass Engineered Timber (MET) project (NTU's Wave). Successful implementation of advanced Building Information Modelling (BIM) applications (Civil and Infrastructure Information Modelling in Kim Chuan Depot Expansion project, and Bridge Information Modelling in Ulu Pandan Depot Expansion project). Underpinning works with column encasements to conserve existing highly sensitive masonry façade of heritage preservation projects (Victoria Theatre and Victoria Concert Hall). Other innovative structural designs include the Interlace, Marina Bay Sands, LKC NH Museum, etc.

- **International Awards**

Asean Federation of Engineering Organisations – Outstanding Engineering Achievement Award, CTBUH Inaugural Urban Habitat Award, etc.



BCA BUILT ENVIRONMENT LEADERSHIP AWARD | PLATINUM STAR

NAME OF FIRM

CATEGORY

City Developments Limited
Housing Development Board

Developer
Developer





BCA BUILT ENVIRONMENT LEADERSHIP AWARD | GOLD^{PLUS}

NAME OF FIRM

CATEGORY

T.Y.Lin International Pte. Ltd.

Structural Consultant

