

Construction Excellence Award

The Award

The BCA Construction Excellence Award was introduced in 1986 to promote and enhance construction excellence in the industry. It gives recognition to builders and other project parties for achieving excellence in areas of management, technology and construction quality.

Award Categories

- a. Commercial/Mixed Development Buildings
- b. Industrial Buildings
- c. Institutional Buildings
- d. Residential Buildings (\$1,200/m² and Above)
- e. Residential Buildings (Below \$1,200/m²)
- f. Small Buildings – \$3 million to \$10 million
- g. Civil Engineering Projects

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Building and Construction Authority

Construction Excellence Award

The Central

(Commercial / Mixed Development Buildings)

★ Award



Builder

Hexacon Construction Pte Ltd

Client

Far East Organization

Architectural Consultant

DP Architects Pte Ltd

Structural Consultant

KTP Consultants Pte Ltd

M&E Consultant

Squire Mech Pte Ltd

Quantity Surveyor

KPK Quantity Surveyors (Singapore) Pte Ltd

Construction Cost

\$204.0 million

Construction Period

46 months

Gross Floor Area

79,170 m²

Key Features:

- Complex Design and Build mixed development built over and integrated with MRT Station.
- Excellent safety management and LTA's Best Design Merit Award winner for Land Transport Integration in 2008.
- Excellent project management especially in handling of the critical changes from single phase hand-over to multiple-phases hand-over midway and yet able to deliver the shopping podium 6 months ahead of schedule.
- Achieved highest CONQUAS score of 87.6 for quality under Commercial Category in 2008 and also BCA's Design and Engineering Safety Award 2008 Merit winner.

Construction Excellence Award

Pan Pacific Serviced Suites

(Commercial / Mixed Development Buildings)

★ Award



Builder

Kajima Overseas Asia Pte Ltd

Client

UOL Group Ltd

Architectural / Structural Consultant

CPG Consultants Pte Ltd

M&E Consultant

Technocon Engineers (S) Pte Ltd

Quantity Surveyor

Rider Levett Bucknall

Construction Cost

\$44.1 million

Construction Period

36 months

Gross Floor Area

11,795 m²

Key Features:

- Excellent engineering works in the construction of aluminum panels for the unique U-shaped architectural form, especially on the underside of the 3rd storey, which required meticulous and precise scaffolding design.
- Demonstrated remarkable Design and Build strengths in the use of Continuous Bored Piling System at the perimeter wall to minimise settlement and vibration to surrounding buildings, especially the MRT tunnel. Precast components and dry walls were also used to achieve faster construction cycle.

Construction Excellence Award

Block N2.1, NTU
(Institutional Buildings)

★ Award



Builder
China Construction (South Pacific)
Development Co Pte Ltd

Client
Nanyang Technological University

**Architectural / Structural / M&E
Consultant**
CPG Consultants Pte Ltd

Quantity Surveyor
CPG Consultants Pte Ltd

Construction Cost
\$32.3 million

Construction Period
21.5 months

Gross Floor Area
15,235 m²

Key Features:

- Demonstrated excellence in engineering in the construction of an ellipse cantilever structure and slanting façade on a 23m steep slope site with limited access and zero storage area.
- Commendable innovative feature in the form of a prefabricated steel link bridge with pre-installed M&E services and architectural finishes.
- Achieved a very good workmanship quality standard of 86.3 CONQUAS score.

Construction Excellence Award

Upgrading of Bukit Panjang Government High School at Choa Chu Kang Avenue 4, Singapore

(Institutional Buildings)

★ Award



Builder
Guan Ho Construction Co. Pte Ltd

Client
Ministry of Education

Architectural / Structural / M&E Consultant

CPG Consultants Pte Ltd

Quantity Surveyor
CPG Consultants Pte Ltd

Project Management
PM Link Pte Ltd

Construction Cost
\$25.2 million

Construction Period
16 months

Gross Floor Area
25,137 m²

Key Features:

- Excellent planning and public relations with the affected neighbourhood particularly in noise, dust and working hours controls.
- Achieved a record of 88.6 CONQUAS score for excellence in workmanship quality.

Construction Excellence Award

The Sail @ Marina Bay

(Residential Buildings – \$1200/m² & Above)

★ Award



Builder

Dragages Singapore Pte Ltd

Client

Glengary Pte Ltd

Architectural Consultant

Team Design Architects Pte Ltd

Structural / M&E Consultant

Meinhardt (Singapore) Pte Ltd

Quantity Surveyor

Davis Langdon & Seah Singapore Pte Ltd

Precast Design Consultant

Precast Design Consultant Pte Ltd

Façade Consultant

Connell Wagner Pte Ltd

Interior Design Consultant

Axis Architects Planners Pte Ltd

Landscape Consultant

Belt Collins International (Singapore) Pte Ltd

Lighting Consultant

Lighting Planners Associates (Singapore) Pte Ltd

Construction Cost

\$289.5 million

Construction Period

52 months

Gross Floor Area

118,182 m²

Key Features:

- Demonstrated engineering excellence in design and construction with innovative ideas and features such as “The Peanut” circular diaphragm wall, 5-day cycle for superstructure with a combination of precast and in-situ concrete in modular metal form work system, precast concrete toilet units, adjustable column formwork for the curved structure and screedless flooring system.
- Winner of BCA’s Design and Engineering Safety Award.
- Achieved CONQUAS score of 94.8 in 2008 for excellence in workmanship quality.

Construction Excellence Award

Parc Emily Condominium

(Residential Buildings – \$1200/m² & Above)

★ Award



Builder

Tiong Seng Contractors (Pte) Ltd

Client

City Developments Limited / TID Pte Ltd

Architectural Consultant

ADDP Architects

Structural Consultant

LSW Consulting Engineers (Pte) Ltd

M&E Consultant

United Projects Consultants Pte Ltd

Quantity Surveyor

KPK Quantity Surveyors (Singapore) Pte Ltd

Construction Cost

\$56.5 million

Construction Period

38.5 months

Gross Floor Area

25,153 m²

Key Features:

- Excellence in green, innovation, quality and buildability through the use of innovative systems like prefabricated unitised toilets, dry wall partitions, precast concrete components, rebated timber door, carcass-less wardrobes, advance modular formwork system and screedless floor.
- Winner of numerous awards for Safety, Innovation, Green, etc., from CDL, BCA, MOM, ROSPA, PUB.
- Achieved 94.1 CONQUAS points for excellent workmanship quality.

Construction Excellence Award

The Azure

(Residential Buildings – \$1200/m² & Above)

★ Award



Builder

China Construction (South Pacific)
Development Co Pte Ltd

Client

Frasers Centrepoint Limited

Architectural Consultant

ADDP Architects

Structural Consultant

DE Consultants (S) Pte Ltd

M&E Consultant

Squire Mech Pte Ltd

Quantity Surveyor

Davis Langdon & Seah Singapore Pte Ltd

Landscape Architect

Site Concepts International Pte Ltd

Construction Cost

\$52.0 million

Construction Period

36 months

Gross Floor Area

21,214 m²

Key Features:

- Demonstrated initiatives to improve quality and incorporated green features such as underwater glass panels at the e-deck and swimming pools to bring in more natural light to basement carparks. Replaced bored pile with precast spun pile to reduce noise and water pollutions and re-designed ejector pit to avoid deep excavation.
- Achieved 93.6 CONQUAS points for excellent workmanship quality and a 97.4% passing rate during the first Quality Mark assessment.

Construction Excellence Award

St. Regis Residences

(Residential Buildings – \$1200/m² & Above)

★ Award



Builder

Kajima Overseas Asia Pte Ltd /
Tiong Seng Contractors (Pte) Ltd

Client

City Developments Limited /
Hong Leong Holdings Ltd / TID Pte Ltd

Architectural / Structural Consultant

RSP Architects Planners & Engineers (Pte) Ltd

M&E Consultant

Squire Mech Pte Ltd

Quantity Surveyor

Davis Langdon & Seah Singapore Pte Ltd

Construction Cost

\$145.0 million

Construction Period

45 months

Gross Floor Area

46,276 m²

Key Features:

- An epic of excellence in luxury and construction with emphasis on green, safety and quality e.g., the use of modern unitised low-E curtain wall system, “Magic Arm” lifting gear for safety, flat slab with core wall for speed, “Slitent Chord” noise barrier to minimise noise, drywall and prefabricated unit-bath for buildability and the rearrangement of carparks lots to save one level of basement construction.
- Winner of several awards for Safety, Green, and achieved 89.4 CONQUAS points for workmanship quality.

Construction Excellence Award

RiverEdge

(Residential Buildings – \$1200/m² & Above)

★ Award



Builder

Tiong Seng Contractors (Pte) Ltd

Client

Riveredge Development Pte Ltd

Architectural Consultant

W Architects Pte Ltd

Structural Consultant

Tham & Wong LLP

M&E Consultant

Parsons Brinckerhoff Pte Ltd

Quantity Surveyor

Northcroft Lim Consultants Pte Ltd

Construction Cost

\$32.6 million

Construction Period

30 months

Gross Floor Area

19,098 m²

Key Features:

- Demonstrated modern construction methods to achieve excellence in construction, e.g., fall prevention falsework system to replace scaffold, full envelopment precast system for buildability, screedless flooring system to reduce wet trade, online portal for real time tracking of unit defects rectification works.
- Achieved 89.7 CONQUAS score for good workmanship quality.

Construction Excellence Award

Linear Green @ Bedok (Bedok Town Centre Contract 6) (Residential Buildings – Below \$1200/m²)

★ Award



Builder

China Construction (South Pacific) /
Development Co Pte Ltd

Client

Housing & Development Board

Architectural / Structural / M&E Consultant

Surbana International Consultants Pte Ltd

Quantity Surveyor

Surbana International Consultants Pte Ltd

Project Management

SIPM Consultants Pte Ltd

Construction Cost

\$94.6 million

Construction Period

35 months

Gross Floor Area

105,500 m²

Key Features:

- Introduced several innovative ideas to improve workmanship quality like the strengthening of 2-tier precast column to prevent tilting in transportation and erection, provision of perimeter joint for floor tile to prevent tile popping and changing bulky Precast Water tank to lighter Precast Ring Water tank for ease in hoisting.
- Winner of several distinctive awards like Housing & Development Board Best Quality Award, Housing & Development Board Construction Housekeeping Award 2007, PUB ECM model site (Environment Control).
- Achieved 85.5 CONQUAS score, the highest for a Housing & Development Board project to date.

Construction Excellence Award

Kallang-Paya Lebar Expressway Contract 423

(Civil Engineering Projects)

★ Award



Builder

Samsung C&T Corporation

Client

Land Transport Authority

Principal / Structural Consultant

Mott MacDonald Singapore Pte Ltd

Construction Cost

\$426.0 million

Construction Period

74 months

Gross Floor Area

122,987 m² (2.96 km)

Key Features:

- Excellent engineering feat in the design and construction of expressway under Kallang River.
- Ranked by experts to be among the most difficult projects in the world especially the stretch of tunnel construction with Housing & Development Board blocks on one side, terrace houses on the other and a canal in between, all within a very narrow 50m-wide working corridor with potential of flooding.
- Used cross walls to control wall deflection of temporary retaining wall, omitted need for ground improvement using T-shape Diaphragm and used Half-Box construction method for the 2km long vehicular tunnel underneath the Pelton Canal for excellent TERS performance.

Construction Excellence Award

Construction and Completion of Dhoby Ghaut, Bras Basah, Esplanade and Promenade Stations and Tunnels – Circle Line Stage 1 C825
(Civil Engineering Projects)

★ Award



Builder
WH-STEC-NCC Joint Venture

Client
Land Transport Authority

Principal / Structural Consultant
AECOM Singapore Pte Ltd

M&E Consultant
Alpha Engineering Consultant

Architectural Consultant 1
Aedas Pte Ltd

Architectural Consultant 2
DP Architects Pte Ltd

Architectural Consultant 3
WOHA Architects Pte Ltd

Construction Cost
\$408.0 million

Construction Period
70 months

Gross Floor Area
65,539 m²

Key Features:

- Demonstrated engineering marvels by overcoming problems in the construction of tunnels and stations under existing infrastructure especially at Dhoby Ghaut Interchange station.

Construction Excellence Award

Fusionopolis Phase 1 @ one-north (Superstructure)

★ Merit

(Industrial Buildings)



Builder

Shimizu Corporation

Client

JTC Corporation

Architectural / Structural / M&E Consultant

Jurong Consultants Pte Ltd

Concept Architect

Kisho Kurokawa Architect & Associates

Quantity Surveyor

Jurong Consultants Pte Ltd

Specialist Engineer 1

T.Y.Lin International Pte Ltd

Specialist Engineer 2

Arup Singapore Pte Ltd

Construction Cost

\$320.0 million

Construction Period

31.5 months

Gross Floor Area

119,375 m²

Proposed Additions and Alterations to Existing Bukit Batok Secondary School at Bukit Batok West Avenue 8, Singapore

★ Merit

(Institutional Buildings)



Builder

Kwan Yong Construction Pte Ltd

Client

Ministry of Education

Architectural / Structural / M&E Consultant

CPG Consultants Pte Ltd

Quantity Surveyor

CPG Consultants Pte Ltd

Project Management

PM Link Pte Ltd

Construction Cost

\$26.0 million

Construction Period

17 months

Gross Floor Area

26,136 m²

Key Features:

- Excellent project management, expertise in structural steel construction and extensive usage of buildable systems such as unitised curtain walling, stone cladding, raised floor systems to expedite work processes without compromising quality.
- Overcoming complexity of the building shape, especially of the cantilever structural design, by carrying out phase-by-phase analysis with precise construction sequence study and 3D CAD analyses.
- Structural refinement was done to achieve lighter structural members and to create a less complex built-up section with standard rolled sections.

Key Features:

- Achieved 86.9 CONQUAS points for workmanship quality in a public school project.

Construction Excellence Award

Proposed Rebuilding of Pei Tong Primary School at Clementi Avenue 5, Singapore

★ Merit



Builder

Kwan Yong Construction Pte Ltd

Client

Ministry of Education

Architectural / Structural / M&E Consultant

CPG Consultants Pte Ltd

Quantity Surveyor

CPG Consultants Pte Ltd

Project Management

PM Link Pte Ltd

Construction Cost

\$17.9 million

Construction Period

21 months

Gross Floor Area

18,297 m²

Key Features:

- Excellent project management and commendable efforts for achieving 86.2 CONQUAS score for good workmanship.

The Stellar

(Residential Buildings – \$1200/m² & Above)

★ Merit



Builder

Woh Hup (Pte) Ltd

Client

GuocoLand Limited

Architectural Consultant

JGP Architecture (S) Pte Ltd

Structural Consultant

Arup Singapore Pte Ltd

M&E Consultant

Rankine & Hill (S) Pte Ltd

Quantity Surveyor

WT Partnership (S) Pte Ltd

Project Manager

GuocoLand Property Management Pte Ltd

Construction Cost

\$35.3 million

Construction Period

32 months

Gross Floor Area

18,443 m²

Key Features:

- Introduced several interesting designs and better products, e.g., revised basement layout, replaced electric storage heater with gas water heater, replaced timber decking with look-alike material on e-deck, used honey comb timber doors, and replaced copper pipes with PPR pipes.
- Achieved 94.3 CONQUAS score for excellent workmanship quality.

Construction Excellence Award

The Beacon @ Cantonment Road

★ Merit

(Residential Buildings – \$1200/m² & Above)



Builder

China Construction (South Pacific)
Development Co Pte Ltd

Client

Cantonment Realty Pte Ltd

Architectural Consultant

Axis Architects Planners Pte Ltd

Structural Consultant

Engineering 2000

M&E Consultant

Bescon Consulting Engineers Pte

Quantity Surveyor

KPK Quantity Surveyors (Singapore) Pte Ltd

Landscape Architect

ICN Design International Pte Ltd

Construction Cost

\$22.3 million

Construction Period

32 months

Gross Floor Area

13,098 m²

Key Features:

- Extensive use of modern and green construction method to achieve speed and quality, e.g., use of CBP wall to reduce shoring and to achieve watertightness, proprietary table formwork and jump platform for superstructure and light weight concrete panel for M&E riser.
- Achieved 91.8 CONQUAS score for excellent workmanship quality.
- Excellence in maintaining good relations with affected neighbours e.g., improving pedestrian path outside the site entrance.

The Grange

★ Merit

(Residential Buildings – \$1200/m² & Above)



Builder

Thian Sung
Construction Pte Ltd

Client

Grange Development
Pte Ltd

Architectural Consultant

P&T Consultants
Pte Ltd

Structural Consultant

DE Consultants (S)
Pte Ltd

M&E Consultant

Rankine & Hill (S) Pte Ltd

Quantity Surveyor

Davis Langdon & Seah Singapore Pte Ltd

Design Architect

Guida Moseley Brown Architects

Landscape Architect

Sitetectonix Pte Ltd

Construction Cost

\$51.1 million

Construction Period

28 months

Gross Floor Area

28,519 m²

Key Features:

- Demonstrated initiatives in improving design, e.g., change of basement structure to flat slab system, proposed transfer beam to achieve unobstructed view between e-deck and residential floor, provided additional side entrance link to busy Grange Road to ease traffic.
- Maintained an excellent relationship with affected neighbours throughout the project through the use of higher than normal boundary walls to minimise dust and noise, 24-hour hotline and response team to act on feedback.
- Achieved 89.7 CONQUAS points for high workmanship standard.

Construction Excellence Award

Varsity Park Condominium ★ Merit

(Residential Buildings – \$1200/m² & Above)



Builder

Woh Hup (Pte) Ltd

Client

CapitaLand Residential Singapore Pte Ltd

Architectural Consultant

TSP Architects + Planners Pte Ltd

Structural / M&E Consultant

P&T Consultants Pte Ltd

Quantity Surveyor

Davis Langdon & Seah Singapore Pte Ltd

Construction Cost

\$109.4 million

Construction Period

33.5 months

Gross Floor Area

73,821 m²

Key Features:

- Achieved 91.4 CONQUAS score for excellent workmanship quality.

Jurong West

Neighbourhood 3 Contract 30A ★ Merit

(Residential Buildings – Below \$1200/m²)



Builder

Sim Lian Construction Co (Pte) Ltd

Client

Housing & Development Board

Architectural / Structural / M&E

Consultant

Surbana International Consultants Pte Ltd

Quantity Surveyor

Surbana International Consultants Pte Ltd

Project Management

SIPM Consultants Pte Ltd

Construction Cost

\$57.5 million

Construction Period

36 months

Gross Floor Area

70,911 m²

Key Features:

- Achieved 82.8 CONQUAS score for workmanship quality with perfect record for safety and environmental compliances.

Construction Excellence Award

Construction and Completion of Serangoon Interchange Station including Tunnels – Circle Line Stage 3 C852

★ Merit

(Civil Engineering Projects)



Builder

WH-STEC-AM Joint Venture

Client

Land Transport Authority

Principal / Structural Consultant

MWH Consultants (S) Pte Ltd

M&E Consultant

CMP Consulting Engineers

Architectural Consultant

AEP Consultants (S) Pte Ltd

Construction Cost

\$168.6 million

Construction Period

63 months

Gross Floor Area

12,547 m²

Key Features:

- Honoured for excellence in project management for constructing the tunnels and interchange stations under the footing of North-East Line Serangoon MRT station.