



BCA AWARDS
2021

Recognising Excellence in the Built Environment

GREEN MARK AWARD



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BCA GREEN MARK CHAMPION AWARDS



ABOUT THE AWARD

Launched in 2008, the BCA Green Mark Champion Awards recognizes developers who demonstrate strong commitment towards corporate social responsibility and who have achieved a substantial number of Green Mark buildings at Gold level or higher.

CRITERIA

Total Number of Buildings Rated	BCA Green Mark Champion	BCA Green Mark Platinum Champion	BCA Green Mark Platinum ^{STAR} Champion
Green Mark Gold and Above	At least 10	At least 50	-
Green Mark Gold ^{PLUS} and above	At least 6	At least 30	-
Green Mark Platinum	At least 3	At least 15	At least 50

AWARD CATEGORY

- BCA Green Mark Champion
- BCA Green Mark Platinum Champion
- BCA Green Mark Platinum^{STAR} Champion

National University of Singapore

Green Mark Platinum Champion

- In its campus development and rejuvenation, the National University of Singapore (NUS) adopts sustainable design and construction strategies to achieve low carbon footprint as part of the university's strive towards a Carbon Neutral campus by 2030.
- To achieve the Green Mark Platinum Champion, NUS' efforts can be classified into three broad categories:
 - Incorporation of innovative environmental strategies into building projects
 - Sustainable life cycle approach in facilities maintenance
 - Outreach to staff and students to adopt environmental habits
- In spite of the 6% increase in GFA since 2016, the University's energy use and water consumption have decreased by 4% and 3% respectively as at FY2019. Correspondingly, the campus Energy Use Intensity (EUI), which measures energy consumption per GFA, and Water Efficiency Index (WEI), which measures water usage per GFA, have both decreased by 8% respectively since 2016.
- The reduction in energy consumption can largely be attributed to the ongoing multi-year upgrading and consolidation of chiller plants, optimization of air conditioning systems control and setpoints, green procurement of laboratory equipment with higher energy efficiency such as ULT freezers and fumehood, green laboratory program to encourage adoption of sustainable practices as well as the project to install a solar photovoltaic system of at least 9 MWp across the whole campus.

Key achievements:

- 50 developments have been awarded Gold and above certifications, including 40 Platinum, 6 Gold^{PLUS} and 4 Gold awards.



NUS UTown Green District Design - Gold^{PLUS}



SDE4 - Platinum Zero Energy

BCA GREEN MARK FOR SUPER LOW ENERGY BUILDINGS

The **SLE programme** is the next wave of Singapore's green building movement. SLE buildings feature best-in-class energy efficiency, the use of on-site and offsite renewable energy and other intelligent energy management strategies.

GREEN MARK SLE CERTIFICATION

The Green Mark for Super Low Energy Buildings (GM SLE) Certification recognises projects that are on the path to net zero energy or have gone beyond net zero to be a positive energy building.

GREEN MARK SLE CATEGORIES

Categories	Description
Super Low Energy Building (SLE)	Best-in-class energy performing building that achieves at least 40%* energy savings based on prevailing code. *(equivalent to 60% energy saving above the 2005 building code)
Zero Energy Building (ZE)	Best-in-class energy performing building with all energy consumption, including plug load, supplied from renewable sources
Positive Energy Building (PE)	Best-in-class energy performing building with 115% of energy consumption, including plug load, supplied from renewable sources

Keppel Bay Tower

Existing Non-Residential Building

GREEN MARK AWARD FOR BUILDINGS | PLATINUM ZERO ENERGY BUILDING



Client/Developer	Keppel Land
Facility Manager	Engie Services Singapore Pte Ltd
ESCO	Johnson Controls (S) Pte Ltd
ESD/ Green Consultant	Johnson Controls (S) Pte Ltd

- Chiller plant system efficiency of 0.577 kW/RT
- The building is 100% LEDs lighted
- Photovoltaics (PV) system on-site at 97 kWp
- Energy efficient air distribution system, 45% more efficient than best-in-class conventional technologies
- Smart lighting system
- Intelligent building control system
- Remaining energy consumption offset by RECs generated in Singapore

NTU Academic Building South

New Non-Residential Building

GREEN MARK AWARD FOR BUILDINGS | PLATINUM ZERO ENERGY BUILDING



Client/Developer	Nanyang Technological University
Architect	RSP Architects Planners & Engineers (Pte) Ltd in collaboration with Toyo Ito & Associates, Architects
M&E Engineer	Squire Mech Pte Ltd
Structural Engineer	Aurecon Singapore (Pte) Ltd
Quantity Surveyor	WT Partnership (S) Pte Ltd
Main Contractor	Newcon Builders Pte Ltd
Landscape Consultant	STX Landscape Architects
ESD / Green Consultant	Building System & Diagnostics Pte Ltd

- High performance façade with minimized heat gain through adoption of glass with low shading coefficient and envelope materials with low thermal transmittance
- Bicycle lots beyond LTA-stipulated limits are provided
- Chiller plant with high efficiency of about 0.565kW/RT used
- Less energy intensive passive displacement ventilation systems are used for majority of air-conditioned spaces
- Areas with major water usage have private water meters connected to the building management system for leak detection
- Extensive use of Green Label products with higher recycled content and lower carbon footprint throughout the development
- Occupancy sensors are installed for efficient air-conditioning demand control

International French School (Singapore) New Kindergarten Buildings

New Non-Residential Building



GREEN MARK AWARD FOR BUILDINGS | PLATINUM ZERO ENERGY BUILDING



Developer	International French School (Singapore)
Architect	Aedas Pte Ltd
M&E Engineer	WSP Consultancy Pte Ltd
Structural Engineer	Ronnie & Koh Consultants Pte Ltd
Quantity Surveyor	AECOM Cost Consulting and Project Management (Singapore) Pte Ltd
Landscape Consultant	Sitetectonix Private Ltd
ESD / Green Consultant	ERI@NTU

- Hybrid cooling for kindergarten classroom villas to provide cooling at higher set point of 27°C and with elevated air circulation via ceiling fans
- Good daylighting design for classrooms, ancillary offices, and library with high spectral selectivity glazing solution, i.e., higher visual light transmission and less solar heat gain. Spaces provided with photosensors
- 100% LED light fixtures provided with motion sensors and occupancy sensors for KG classroom villas and transit areas
- Existing chiller plant used with additional one chiller with overall system efficiency of 0.64 kW/RT
- To be a Net Zero Energy Building, PV panels with estimated power generation of 300 MWh to be installed on site
- All water fittings rated excellent under WELS*
- In order to optimize receptacle loads, main server room re-located to another building

* WELS stands for Water Efficiency Labelling Scheme

Frontier at National University of Singapore

Existing Non-Residential Building (GM 2021 In Operation)

GREEN MARK AWARD FOR BUILDINGS | PLATINUM ZERO ENERGY BUILDING (RE-CERT)



Developer	National University of Singapore
Facility Manager	NUS Office of Facilities Management
ESD/Green Consultant	CPG Consultants Pte Ltd (CPGreen)
Architect	AR43 Architects Pte Ltd
Structural Engineer	Hainal-Konyi Pte Ltd
M&E Engineer	Parsons Brinkerhoff Pte Ltd
Quantity Surveyor	Rider Levett Bucknall LLP

- Energy efficient water cooled chiller plant
- Naturally ventilated dining area
- Energy efficient LED lighting for all areas except mechanical spaces, achieving 56% in lighting energy savings
- Extensive use of WELS excellent products for all water fittings
- Wide use of SGLS* and SGBC certified green products
- Extensive use of green concrete including recycled concrete aggregates and washed copper slag
- Comprehensive campus-wide recycling program, including segregation and recycling of food waste at canteen

*SGLS stands for Singapore Green Labelling Scheme

Faculty of Engineering Block E2A at National University of Singapore

Existing Non-Residential Building (GM 2021 In Operation)

GREEN MARK AWARD FOR BUILDINGS | PLATINUM ZERO ENERGY BUILDING (RE-CERT)



Developer	National University of Singapore
Facility Manager	NUS Office of Facilities Management
ESD/Green Consultant	CPG Consultants Pte Ltd (CPGreen)
Architect	AR43 Architects Pte Ltd
Structural Engineer	AECOM Singapore Pte Ltd
M&E Engineer	AUP Consultants Pte Ltd
Quantity Surveyor	CPG Consultants Pte Ltd

- Energy efficient water cooled chiller plant
- Energy efficient LED lighting for all areas except mechanical spaces, achieving over 40% in lighting energy savings
- Vertical greenery and rooftop greenery
- Lighting with motion sensor for all toilets and staircases, select laboratories and corridors
- Extensive use of certified sustainable products including low VOC paints and finishes
- NEWater for cooling towers
- Comprehensive campus-wide recycling program

Keppel Towers Redevelopment

New Non-Residential Building

GREEN MARK AWARD FOR BUILDINGS | PLATINUM SUPER LOW ENERGY BUILDING



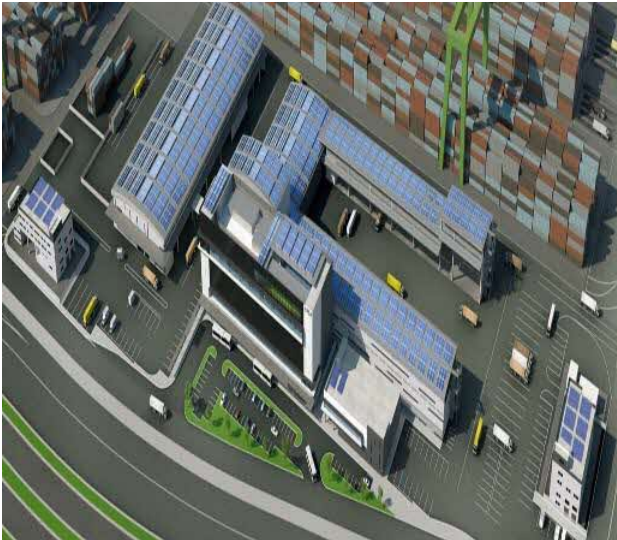
Client/Developer	K-Commercial Pte Ltd
Project Manager	Keppel Land (Singapore) Pte Ltd
Architect	Architects 61 Pte Ltd
M&E Engineer	Alpha Consulting Engineers Pte Ltd
Structural Engineer	Meinhardt (Singapore) Pte Ltd
Quantity Surveyor	AECOM Cost Consulting and Project Management (Singapore) Pte Ltd
Main Contractor	Obayashi Singapore Private Limited
Landscape Consultant	Ecoplan Asia Pte Ltd
ESD / Green Consultant	G-Energy Global Pte Ltd

- Super low Total Air-Con Design System Efficiency (TSE) < 0.6 kW/RT through innovative technologies such as:
 - Technology 1 – Integrated control Dual Temperature Chiller system with optimized compressor impeller
 - Technology 2 – Dual Coil Single Fan integrated High Efficiency AHU
 - Technology 3 – Digitization in building industry incorporating EMS, BMS, Security and FMS
- Use of integrative BIM management and cost effective construction method to increase buildability and constructability

PSA Tuas Maintenance Base

New Non-Residential Building

GREEN MARK AWARD FOR BUILDINGS | PLATINUM SUPER LOW ENERGY BUILDING



Client/Developer	PSA Corporation Ltd
Architect	ID Architects Pte Ltd
M&E Engineer	PDC Consulting Engineers Pte Ltd
Structural Engineer	KCL Consultants Pte Ltd
Quantity Surveyor	PSA Corporation Ltd
Main Contractor	Chan Rong Fen Building Construction Pte Ltd
ESD / Green Consultant	GreenA Consultants Pte Ltd

- SGBC certified thermal break for Admin Block curtain wall
- Passive Displacement Cooling with fresh air injection
- Low energy VAV-FCU system
- Precision secondary pumping system for Admin Block chiller system
- Hybrid evaporative cooling system for Admin canteen.
- Building attached PV at Admin Building and roof PV panels at all other buildings
- Smart lighting and indoor air quality system
- Model predictive control & intelligent building management system for control optimisation

LOGOS EHUB

New Non-Residential Building

GREEN MARK AWARD FOR BUILDINGS | PLATINUM SUPER LOW ENERGY BUILDING



Client/ Developer	LOGOS SE ASIA PTE LTD
Project Manager	Faithful+Gould Pte Ltd
Architect	Morrow Architects & Planners Pte Ltd
M&E Engineer	J Roger Preston (S) Pte Ltd
Structural Engineer	Thymn Pte Ltd
Quantity Surveyor	Currie & Brown (Singapore) Pte Ltd
Main Contractor	Precise Development Pte Ltd
ESD / Green Consultant	Building System & Diagnostics Pte Ltd

- Bicycle lots beyond LTA-stipulated limits provided
- Building designed to have high-performance façade with minimized heat gain through adoption of glass with low shading coefficient and insulation
- The landscape populated by lush native greenery and robust drought-tolerant plants
- Areas with major water usage equipped with private meters connected to building management system for leak detection
- Green Label products with higher recycled content and lower carbon footprint used extensively throughout the development
- To ensure occupants' health and well-being, indoor paints and materials used have low volatile organic compound (VOC) content
- Trending of water and energy consumption displayed on a dashboard to promote awareness and encourage reduction and conservation of water and energy

Singapore Examinations and Assessment Board

New Non-Residential Building

GREEN MARK AWARD FOR BUILDINGS | PLATINUM SUPER LOW ENERGY BUILDING



Client/ Developer	Singapore Examinations and Assessment Board
Project Manager	SIPM Consultants Pte Ltd
Architect	Surbana Jurong Consultants Pte Ltd
M&E Engineer	Surbana Jurong Consultants Pte Ltd
Structural Engineer	Surbana Jurong Consultants Pte Ltd
Quantity Surveyor	Surbana Jurong Consultants Pte Ltd
Main Contractor	Kwan Yong Construction Pte Ltd
Landscape Consultant	Surbana Jurong Consultants Pte Ltd
ESD / Green Consultant	Surbana Jurong Consultants Pte Ltd

- Biophilic design with sky gardens, achieved overall Green Plot Ratio of 8.48
- Passive architectural design to enhance natural ventilation to lower the building cooling demand
- Hybrid cooling for office spaces and multi-purpose rooms
- Energy efficient chiller plant with efficiency of 0.56kW/RT
- Integrated building management system
- Energy efficient lighting system with more than 50% energy savings from SS baseline
- High performing building envelope with ETTV of 21.77 W/m²
- Use of rainwater to reduce potable water demand by 20%
- Efficient use of water through 100% "Excellent" WELS water fittings

Punggol Digital District (PDD) CC1 – Tower 4

New Non-Residential Building

GREEN MARK AWARD FOR BUILDINGS | PLATINUM SUPER LOW ENERGY BUILDING



Client/ Developer	JTC Corporation
Architect	WOHA Architects Pte Ltd
M&E Engineer	BECA Carter Hollings & Ferner (S.E.Asia)
Structural Engineer	KTP Consultants Pte Ltd
Quantity Surveyor	AECOM Pte Ltd
Main Contractor	Woh Hup Pte Ltd
Landscape Consultant	Ramboll Studio Dreiseitl Pte Ltd
ESD / Green Consultant	Web Earth Pte Ltd

- Passively designed façade with self-shading. High performance insulated façade with Low-E double glazing. Services and circulation spaces located on East and West facades
- Served by District Cooling System with efficiency < 0.65 kW/RT
- CO2 sensors provided to control the amount of fresh air, achieving the airside efficiency of 0.15 kW/RT
- Minimum use of concrete with CUI less than 0.30, Mass-Engineered Timber used as major building material that reduces embodied carbon significantly
- The whole development served by pneumatic waste conveyance system
- SMART sensors connected to building management system, monitoring and optimizing energy usage
- Dedicated submetering for each energy use such as AC, lighting, plug loads, lifts, etc.

SIA Engineering Company, Hangar 2

Existing Non-Residential Building

GREEN MARK AWARD FOR BUILDINGS | PLATINUM SUPER LOW ENERGY BUILDING



- Energy efficiency chiller plant with efficiency of 0.62 kW/RT
- Provision of permanent instrumentation to monitor the chiller plant system operating efficiency
- Awarded Water Efficient Building. Water fittings comply with PUB Water Efficiency Labelling Scheme (WELS)
- Lifts with variable voltage variable frequency motor drive, sleep mode features
- Green guides disseminated among occupants to create environmental awareness as well as to promote & encourage waste minimization and recycling among occupants

Client/ Developer	SIA Engineering Company Limited
Facility Manager	Synergy FMI
ESCO	Johnson Controls (S) Pte Ltd
ESD / Green Consultant	Johnson Controls (S) Pte Ltd

Mapletree Benoi Logistic Hub

Existing Non-Residential Building

GREEN MARK AWARD FOR BUILDINGS | PLATINUM SUPER LOW ENERGY BUILDING (RE-CERT)



Client/ Developer	HSBC Institutional Trust Services (S) Ltd As Trustee of Mapletree Logistics Trust
Facility Manager	Mapletree Property Management Pte Ltd
ESD / Green Consultant	Building System and Diagnostics Pte Ltd

- New rooftop solar system of 2,233 kWp
- On-site renewable energy replaced up to 60% of the total building energy consumption and about 38% excess renewable energy sold to grid
- Roof with skylight stripe integrated with photosensor to reduce artificial lighting consumption
- Daylight and CFD simulation conducted to optimize during base building design
- Highly efficient layout & fitting types with high bay motion sensor control
- Further enhance base built lighting design by replacing T5 lightings at staircase and driveways to LED lightings with motion sensors to improve operational efficiency and further reduce building energy consumption

80 ANSON ROAD - RESIDENTIAL

New Residential Building

GREEN MARK AWARD FOR BUILDINGS | PLATINUM SUPER LOW ENERGY RESIDENTIAL BUILDING



Client/Developer	Hong Leong Properties Pte Ltd (A wholly-owned subsidiary of City Developments Limited)
Architect	Nikken Sekkei Ltd (Design Consultant) & ADDP Architects LLP (Project Architect)
M&E Engineer	Squire Mech Pte Ltd
Structural Engineer	Meinhardt (Singapore) Pte Ltd
Quantity Surveyor	AECOM Cost Consulting And Project Management (Singapore) Pte Ltd
Landscape Consultant	Ecoplan Asia Pte Ltd
ESD / Green Consultant	Building System and Diagnostics Pte Ltd

- Low RETV of 19.09 W/m² with good glass selection and shading devices to reduce overall building heat gain
- Installation of energy efficient air-conditioning systems with 5 ticks rating for all dwelling units
- Use of 100% energy efficient LED lighting with demand controls to achieve high energy savings compared to baseline
- Utilization of renewable solar energy
- Use of 100% PUB WELS 2 ticks and above water fittings to ensure water efficiency
- Lush landscape decks and pockets of greenery to improves occupant wellbeing

Punggol Point Crown

New Residential Building

GREEN MARK AWARD FOR BUILDINGS | GOLD^{PLUS} SUPER LOW ENERGY RESIDENTIAL BUILDING



Client/Developer

Housing and Development Board

Project Manager

SIPM Consultants Pte Ltd

Architect

3PA Pte Ltd

M&E Engineer

United Project Consultants Pte Ltd

Structural Engineer

LSW Consulting Engineers Pte Ltd

Quantity Surveyor

WT Partnership Ltd

Main Contractor

Expand Construction Pte Ltd

Landscape Consultant

Stephen Caffyn Landscape Design

ESD / Green Consultant

GreenA Consultants Pte Ltd

- Biophilic design with extensive greenery provision, achieved Green Plot Ratio of 8.7
- Use of Pneumatic Waste Collection & Disposal System (PWCS)
- A low heat gain facade (RETV) of average 18.08 W/m²
- Ventilation performance - 65% of living room and bedroom spaces with unobstructed air flow
- Lifts equipped with regenerative drive feature
- 80% savings in lighting power budget using LED equipped with photosensors and motion sensors
- Smart lighting system with remote monitoring & control, low latency sensors, fault reporting to provide energy savings during operation
- Estimated energy savings of 1,427,570 kWh/year, which is equivalent to power 305 households/year.
- Carbon Emission Reduction of 714 Tonne/year, which is equivalent to planting 4,282 trees

JERVOIS MANSION, 卓苑

New Residential Building

GREEN MARK AWARD FOR BUILDINGS | GOLD^{PLUS} SUPER LOW ENERGY RESIDENTIAL BUILDING



Client/Developer

Kimien Pte Ltd / Kimien Realty Pte Ltd /
Roxy-Pacific Development
Management (Jervois)

Architect

Serie + Multiply Consultants Pte Ltd
(Design Consultant), Multiply Architect

M&E Engineer

GIMS & Associates Pte Ltd

Structural Engineer

KCL Consultants Pte Ltd

Quantity Surveyor

Threesixty Cost Management Pte Ltd

Landscape Consultant

Sald Pte Ltd (Landscape Design
Architect), Mace Studio Pte Ltd

ESD / Green Consultant

Building System & Diagnostics Pte Ltd

- Good placement of buildings that encourages air flow into the units
- Good layout design that encourages cross-ventilation within units
- Low RETV of 17.5 W/m² with the installation of grey tinted laminated glass with low-e coating
- Energy efficient air-conditioning systems with NEA 5 ticks rating for all dwelling units
- 100% Use of energy efficient LED lighting with demand control
- Renewable solar energy on the roof of the development
- 100% PUB WELS 2 ticks and above water fittings
- Good biophilic design with lush greenery and bio-ponds that improve residents' fitness level, health and wellbeing
- Delicately designed metal grille entry door
- A smart hub provided to encourage the use of wireless smart home systems
- Rooftop gardens to reduce the dissipation of heat into the living quarters
- Bicycle lots and covered walkways designed to promote cycling and walking
- Green materials are used to reduce carbon footprint and recycling bins for waste recycling

BCA GREEN MARK PEARL AWARD

The **BCA Green Mark Pearl Award** is a prestigious award that recognizes the strong commitment of building owners/landlords and tenant organizations of the same project or building working in tandem to achieve greater environmental sustainability.

Held annually, the Award is given to landlords who helped their tenants to secure Green Mark certification for their tenanted premises. To be eligible for this Award, one of the key requirements is for at least 50% of the tenanted space within the building to be Green Mark certified, within a base building which is GM Gold^{PLUS} or higher. There are two tiers of the Award namely:

- **Green Mark Pearl Award**
- **Green Mark Pearl Prestige Award**

The Awards are given out for the following three building types:

- Commercial offices
- Retail malls
- Business park developments

PLQ 3

Green Mark Pearl Award

- Lendlease's Paya Lebar Quarter 3 (PLQ 3) is a \$3.7bn mixed-use development that sits in the Paya Lebar central precinct at the heart of Singapore's masterplan, bridging as a dynamic regional business and lifestyle hub between the CBD and the Changi Airport. The 3.9-hectare site comprises two adjacent parcels with 7 buildings, including 1 retail development, 3 residential towers and 3 office buildings, of which PLQ 3 is one. Lush green spaces, with planting of 300% more trees than were originally on site, created a wholesome and inclusive community space.
- Designed with a "people-first" approach which addresses human health and wellness needs, the workplace ecosystem at PLQ integrates other lifestyle activities to connect people beyond their workspace, at various cultural, recreational and nature spots for the benefit of a social, happy, healthy, and productive workforce.
- Key sustainability accolades of the project:
 - **Climate Resilient Design:** First certified mixed-use private development under the ABC Waters (Active Beautiful Clean) programme, with specific features such as rain gardens and rainwater detention systems to filter stormwater before discharge.
 - **Top-tier Green Building Ratings:** BCA Green Mark Platinum for Non-Residential Buildings NRB 2015 and first office development in Singapore pre-certified with WELL Rating
 - **Tenant Engagement:** 100% of tenants on Green Lease, complemented with an in-house Green Lease Tracker, Green Procurement Guide and Green Fit-out Guide to support tenants in their fit-out journey. Tenants actively participate in 3R initiatives like Food Waste Reduction Week, Earth Hour Participation.
 - **Walkability & Green Mobility:** Promoting walkability around the neighbourhood and a sharing economy, umbrella-sharing was implemented at PLQ 3 for building users. Other features include safe cycling infrastructure, end-of-trip facilities for tenants, seamless connections to Paya Lebar MRT station and provision of EV charging stations.



Overall view of the PLQ precinct with PLQ 3

Old Hill Street Police Station

Green Mark Pearl Award

- Ministry of Communications and Information (MCI) is housed in the Old Hill Street Police Station (OHSPS), a 6-storey national monument. MCI achieved the BCA Green Mark (GM) Platinum Award for OHSPS under the Existing Non-Residential Building 2017 scheme and was recertified in 2020. MCI also achieved ASEAN Energy Efficiency Award in 2019 and was awarded the Best Energy Efficiency Practices in the Public Sector in 2020 by NEA.
- Over the last few years, MCI's sustainability strategies reduced its energy consumption by 24% from 2018 to 2020. The rooftop air-cooled chillers were replaced with water-cooled chillers and solar panels were also installed on the rooftop to harvest solar energy. Within the building, some features included the use of onsite compost to fertilise landscape and real-time monitoring of temperature and CO2 level within the indoor spaces. The air-conditioning and mechanical ventilation systems for specific zones were also pre-scheduled and the lights were replaced by LED lights with photosensors and motion sensors.
- To supplement its green efforts, MCI conducts half-yearly co-sharing of sustainability best practices with its stakeholders. This is done through sharing of resources and exchanging of ideas on environmental sustainability with Ministry of Culture, Community and Youth (MCCY), which is also housed in OHSPS. MCI encourages staff to go green by sharing green tips through the intranet and 'Missy Leafy', our eco-ambassador mascot to remind staff to go green.
- MCI is also constantly improving and exploring alternative methods to achieve its sustainability targets without compromising the stakeholders' satisfaction and indoor environmental quality. As part of the continuous improvement plan and in line with the Singapore Green Plan 2030, MCI has also started exploring initiatives for OHSPS to be certified as a Green Mark Super Low Energy Building.



Ministry of Communications and Information
at Old Hill Street Police Station

The eco-friendly LED lights are being used to light up the exterior of the building.

Organiser



An Initiative Under



For more information on developments certified this year, please visit:

<https://sleb.sg/Building/GreenMarkBuildingsDirectory>