

Annex C: BCA-HPB Green Mark for Healthier Workplaces Scheme

Background

The health and well-being of building occupants is increasingly becoming a major value proposition for the adoption of green buildings and interior spaces. This awareness is echoed by business leaders and companies that place growing emphasis on employee health and well-being to differentiate themselves as the employer of choice. In line with global trend and increasing demand for green and healthy buildings, the ***BCA Green Mark has been placing greater emphasis on the quality of indoor environments as well as the health, comfort and well-being of the users and occupants.***

To strengthen the business case for energy-efficient, resource efficient and healthier interior spaces ***BCA collaborated with the Health Promotion Board (HPB) to develop the new BCA-HPB Green Mark for Healthier Workplaces scheme (GM HW: 2018). The scheme was launched at the Breakfast Talk for CEOs on 7 Sep 2018.***

Rationale

With international studies¹ indicating that 90% of the business operating costs are related to human capital costs, staff's productivity would be of paramount interest and concern to any company. The new GM HW would appeal to companies that place emphasis on both health and well-being in addition to environmental sustainability in the office. GM HW aims to provide a clearer and stronger business case for office sustainability by placing occupants' health, well-being and comfort at the forefront of office design and daily operations. It also seeks to create a supportive environment through the establishment of workplace health structures, policies and programmes. With the inclusion of criteria that also looks at the health and well-being, we hope that this will make the value proposition for green interior more compelling and personal from the user's angle.

Enhancements and Key Highlights of GM HW: 2018

To align with the latest Green Mark Schemes, the 5 key sections of GM HW: 2018 will guide companies through the thought process of space selection and office design, operation and maintenance, as well as occupant engagement and empowerment: ***(i) Sustainable Design and Management, (ii) Energy and Resource Management, (iii) Office Environment, (iv) Workplace Health and Well-Being, and (v) Advanced Green and Health Features.*** The BCA-HPB Green Mark for Healthier Workplaces (GM HW: 2018) scheme has replaced the BCA Green Mark for Office Interior (Version 1.1) scheme with effect from 1 Apr 2019.

¹ Source: World Green Building Council's reports on "Building the Business Case: Health, Wellbeing and Productivity in Offices" (Oct 2016) and "Health, Wellbeing and Productivity in Offices: The Next Chapter for Green Buildings" (Sep 2014)



Incentives and Grants

For early movers, a comprehensive suite of incentives and programmes are made available by HPB to help companies. Eligible projects can tap on HPB's SME Health+ that supports health and fitness initiatives for SMEs and Workplace Alliance for Health (WAH) Scheme for medium to large private corporations. More details can be found on the HPB website.

Certified GM HW Projects

A total of 14 companies have so far been certified under the GM HW scheme. They are:

S/N	Company Name (in alphabetical order)	Project Address	Accorded Green Mark Rating
1	Arup Singapore Pte Ltd	182 Cecil Street, Frasers Tower #06-01, Singapore 069547	Platinum
2	C&W Services (S) Pte Ltd	750A Chai Chee Road, #05-01 Viva Business Park, Singapore 469001	
3	City Developments Limited	9 Raffles Place, #10-01 to #12-01 Republic Plaza, Singapore 048619	
4	City Developments Limited	9 Raffles Place, #36-01 Republic Plaza, Singapore 048619	
5	DBS Asia Central	12 Marina Boulevard, Marina Bay Financial Centre Tower 3, #03, #05, #06, #08 to #15 and #40 to #46, Singapore 018982	
6	DBS Asia Hub	Changi Business Park Crescent, #01 to #09 DBS Asia Hub, Singapore 486029	
7	Facility Link Pte Ltd	4 Sungei Kadut Crescent, Singapore 728688	
8	Hongkong Land (Singapore) Pte Ltd	One Raffles Quay, South Tower #22-10, Singapore 048583	
9	Keppel Capital International Pte Ltd	1 HarbourFront Avenue, #10-01, #11-01, Keppel Bay Tower, Singapore 098632	
10	Keppel Corporation Limited	1 HarbourFront Avenue, #12-01, #18-01 Keppel Bay Tower, Singapore 098632	
11	Keppel Land	1 HarbourFront Avenue #02-02/10 Keppel Bay Tower Singapore 098632	
12	Prudential Singapore	7 Straits View, #06-01 Marina One East Tower, Singapore 018936	
13	Raffles Quay Asset Management Pte Ltd	1 Raffles Quay, #19-10 South Tower, Singapore 048583	
14	Camfil Singapore Pte Ltd	8 Kallang Avenue, #12-06/07 Aperia Tower 1, Singapore 339509	Gold ^{PLUS}

More information on GM HW can be found at the following sites.

Main link: https://www.bca.gov.sg/GreenMark/GM_Healthier_Workplaces.html

Shortcut to industry circular: http://www.corenet.gov.sg/media/2187036/industry-circular-for-gm-hw-2018_final.pdf

BCA-HPB Green Mark for Healthier Workplaces winner: Keppel Group

For its strong commitment and continuous improvements in environmental performance, the Keppel Group has garnered a total of 14 awards at the Building and Construction Authority (BCA) Awards 2019.

Keppel Land has received 11 awards, including the prestigious BCA Quality Excellence Award – Quality Champion (Platinum), the BCA Green Mark Platinum Awards for Keppel Bay Tower and International Financial Centre Jakarta Tower 2, the BCA Universal Design Mark Gold^{PLUS} Award for Highline Residences, as well as the BCA Universal Design Mark Gold Award for The Glades.

Keppel Land has won the BCA Quality Excellence Award – Quality Champion (Platinum) in recognition of its commitment to and achievement in developing high-quality homes.

Keppel Bay Tower has achieved the BCA Green Mark Platinum Award for the energy-efficient features incorporated within the development. These include a high-efficiency chiller plant system, the use of water-efficient fittings and fixtures, as well as the use of energy-efficient LED lightings.

International Financial Centre Jakarta Tower 2 has achieved the BCA Green Mark Platinum Award for the innovative green technology incorporated within the development. Some of the sustainable features of the office tower include the recycling of rainwater for irrigation, use of water- and energy-efficient fittings and double-glazed low emission glass.

Highline Residences has achieved the BCA Universal Design Mark Gold^{PLUS} Award for its features which enhance user-friendliness, accessibility, connectivity and safety. Such features include a landscaped green deck located at the roof level of the low-rise block, which is integrated with communal facilities and provides seamless connection to the tower blocks. The development also features rooftop urban farms which are available for residents and planter beds which are accessible to wheelchair users.

The Glades has achieved the BCA Universal Design Mark Gold Award. Winning features of the condominium include a fully-equipped net-zero energy clubhouse, as well as unique and thoughtful architecture, complemented by natural terrains and greenery, vertical green walls and water features.

Ocean Financial Centre, a 43-storey premium Grade A CBD office tower which Keppel REIT has a majority interest in, has also received the BCA Green Mark Platinum Award for its myriad sustainable features which include an innovative rainwater collection system and the use of renewable energy sources, such as solar energy harvested by solar panels atop the building, to reduce its greenhouse gas emissions.

At the organisational level, Keppel Corporation, Keppel Land and Keppel Capital have been recognised for their commitment towards environmental protection and efforts in improving staff health and well-being. The BCA and Health Promotion Board (HPB) have awarded all three companies the BCA-HPB Green Mark Platinum certification for Healthier Workplaces, a new certification which promotes health and wellness in offices and workplaces.

In 2018, the workspaces of Keppel Corporation, Keppel Land and Keppel Capital at Keppel Bay Tower were enhanced with a suite of green and healthy features to improve energy efficiency as well as staff health and well-being. The new offices incorporate demand control strategies to minimise wastage. These include smart lighting systems that utilise occupancy sensors to continuously adjust lighting levels according to occupancy load; photosensors that

dim perimeter lightings when there is sufficient daylight as well as copiers with secure printing features which help reduce paper wastage.

Keppel is committed to sustainability, both as a responsible corporate citizen, and as a provider of solutions that contribute to a better, more sustainable world. The Keppel Group will continue to undertake initiatives to promote greater environmental responsibility and encourage the development and diffusion of environmentally friendly technologies.

Keppel's BCA Awards in 2019

QUALITY EXCELLENCE AWARD – QUALITY CHAMPION (PLATINUM)

Keppel Land

GREEN MARK PLATINUM AWARD

Keppel Bay Tower, Singapore
Ocean Financial Centre, Singapore
International Financial Centre Jakarta Tower 2, Jakarta, Indonesia

GREEN MARK GOLD^{PLUS} AWARD

The Garden Residences, Singapore

GREEN MARK GOLD AWARD

Waterfront Residences, Tianjin, China
Saigon Centre – Retail Mall, Ho Chi Minh City, Vietnam
Saigon Centre – Tower 2, Ho Chi Minh City, Vietnam
Palm Residence, Ho Chi Minh City, Vietnam

BCA-HPB GREEN MARK FOR HEALTHIER WORKPLACES PLATINUM AWARD

Keppel Corporation
Keppel Land
Keppel Capital

UNIVERSAL DESIGN MARK GOLD AWARD

The Glades, Singapore

UNIVERSAL DESIGN MARK GOLD^{PLUS} AWARD

Highline Residences, Singapore

BCA-HPB Green Mark for Healthier Workplaces winner: DBS Bank Ltd

DBS Bank, a leading financial services group in Asia, is the first Singapore company to clinch 100% green mark certification accolade in retail sphere, and almost all our offices for its commitment to promoting sustainable development and transition to a low carbon economy. The bank was recently awarded the BCA-HPB Green Mark for Healthier Workplaces Platinum award for its DBS Asia Hub and DBS Asia Central offices as well.

In 2017, DBS was the first Asian bank and first Singapore company to join the global renewable energy initiative RE100. The bank has also committed to using 100% renewable energy for its Singapore operations by 2030. To meet this target, DBS has engaged in three major initiatives. These include operating its own solar energy installation, procuring renewable energy and driving energy efficiencies across its organisation. The solar panels now generate 460MWh annual and powers DBS' Changi Business Park operations. DBS has actively adopted energy efficiency enhancements such as LED lights, energy efficient equipment and enhanced building controls in their operations. The bank has incorporated best practices in its environmental design, water efficiency, sustainable management and operations, and other green features to reduce its environmental footprint.

DBS has adopted activity-based and biophilic design in its office by incorporating ergonomic design features and furniture. A healthy workplace will help increase productivity, reduce cost and boost employee morale. As part of its sustainability agenda, DBS is focused on improving staff awareness around adopting a green mindset at work and in their personal lives.

In Singapore, all DBS and POSB branches have obtained Building & Construction Authority (BCA) Green Mark Certifications. They have achieved a total of 75 BCA Green Mark Certifications for their Singapore retail branches, comprising 10 Platinum, 40 Gold^{PLUS}, 18 Gold and 7 Green Mark Certifications. Two of the major office premises – DBS Asia Hub and DBS Asia Central – have been awarded the highest recognition of Platinum award. Other offices including DBS Asia Gateway has received Gold Plus, DBS Asia X has obtained Gold and office in Newton has received a Green Mark Certification.