In 2005, BCA kick-started its drive to green Singapore’s physical landscape by launching the **BCA Green Mark**: a rating system to evaluate a building’s environmental impact and recognise sustainability performance, specifically for buildings in the tropics.

The certification programme has been updated progressively over the last decade, incorporating increasingly advanced sustainability elements and requirements, taking into account fast-moving technological innovations and industry best practices.

Today, **over 27% of Singapore’s built area has been certified green**, through a suite of 17 Green Mark schemes covering new & existing buildings, beyond buildings and user-centric facilities.

**Key Milestones of the Singapore Green Building Journey**
Launch of the BCA Green Mark, a focused green building rating scheme for the tropics.

Launch of Singapore’s 1st Green Building Masterplan
- Green efforts in new buildings
- Public sector taking the lead in environmental sustainability (PSTLES)
- Incentivising early green adopters from the private sector

Greened 1% of Singapore’s GFA

Roll-out of Environmental Sustainability Regulations requiring all new buildings and major retrofits of existing buildings (above 2000sqm) to standards equivalent of Green Mark certified level.

Launch of Singapore’s 2nd Green Building Masterplan
- 80% of buildings Green Mark certified by 2030
- Green efforts in existing buildings
- $100 million Green Mark incentive scheme for existing buildings
- 20,000 green collar workforce by 2020

Launch of Green Mark Version 4 with enhanced focus on passive design and accuracy in measurement and verification of plants and equipment.

Greened 10% of Singapore’s GFA.

City Developments Limited first to achieve the Green Mark Platinum Champion award and HDB, first public agency to presented with Green Mark Champion Award winner.

1000th Green Mark Building - Pasir Ris Sports and Recreation Centre

100th Green Mark Platinum Building - Republic Plaza

Greened 20% of Singapore’s GFA.

Kick start Environmental Sustainability Regulations for Existing Buildings requiring annual mandatory submission of building information and energy consumption data through BCA Building Energy Submission System (BEES)

Launch of the Singapore’s 3rd Green Building Masterplan
- Continued leadership
- Sustained performance
- Wider collaboration and engagement with occupants & tenants
Roll out of **Environmental Sustainability Regulations for Existing Buildings** requiring existing buildings to achieve minimum energy efficiency standards when new chillers are installed or replaced; and requiring submission of 3-yearly periodic energy audit reports.

Release the inaugural BCA Building Energy Benchmarking Report 2014

Launch of the new **Green Mark Scheme for Non Residential Buildings 2015** with an enhanced focus on climate resilience and climatic responsiveness to meet wider sustainability outcomes (Launch at IGBC 2015).

**Last week to register for the SG50 Promotion Rate at almost 50% discount!**

**Register and pay by 12 June 2015** to enjoy SG50 Promotion Rate for 3 days pass at $550. (Usual price at $1000).

3 day pass includes access to the Conference, Workshops, Welcome Reception and pre-IGBC on 1 Sep 2015 (excludes all Tours).

**REGISTER TO ATTEND IGBC 2015 NOW >**

**Sneak Peek of the Highly-Anticipated Speakers at IGBC 2015**

- Prof Shin-Ichi Tanabe  
  Professor, Department of Architecture, Waseda University, Japan

- Prof William Bahnfleth  
  Immediate past President of ASHRAE, USA

- Darrell Smith  
  Director of Worldwide Energy and Building Technology, Microsoft, USA

- Michael Kokora  
  Partner, OMA, Hong Kong

Keep an eye out for more details on the brilliant minds and thought-provoking content that will convene at IGBC 2015!

**Tours at BCA Awards 2015 Platinum Projects during IGBC 2015**
Click here to Register for IGBC 2015 and its highly anticipated Green Mark Tours!

Education Resource Centre
National University of Singapore
Existing Non-Residential Building
Green Mark Platinum

1. Chilled ceiling system provides uniform cooling and minimizes draft in the room
2. Extensive use of energy efficiency lightings
3. PUB certified water efficient building which signifies the installation of water efficient fittings and adopting water efficient flow rates/flush volumes
4. Extensive roof top greenery, which covers 87% of the roof, decreases the heat drawn into the rooms and reducing the amount of energy needed to cool the building
5. Installation of air sealing double vestibule doors to minimize leakage and reduce cooling load and energy consumption

Lucky Plaza Shopping Centre
MCST Plan No. 651
Existing Non-Residential Building
Green Mark Platinum

1. High efficiency chiller plant system with efficiency of 0.60 kW/ton with permanent instrumentation to monitor the chiller plant system operating efficiency
3. Green guides are disseminated amongst tenants to create environmental awareness as well as to promote & encourage waste minimization and recycling among occupants and tenants
4. Energy efficient LED lighting fittings for common areas and staircases
5. Provision of uv emitters for all AHUs to improve indoor air quality as well as eliminate coil washing
6. All AHUs are equipped with high efficiency air filters (Merv 13 rating)

DNV GL Office
Det Norske Veritas Pte. Ltd.
Office Interior
Green Mark Platinum

1. Light power density with $\leq 9$ W/m$^2$
2. Task light with built-in occupancy sensor
3. Use of $\geq 90\%$ of office equipment certified with energy efficient label
4. Workspace air-conditioning via VAV control
5. Provision of sky garden and extensive indoor greener
6. Base building: design-to-suit
7. Provision of internal staircase to encourage pedestrian circulation between office floors

Other interesting Green Mark Platinum Projects for IGBC 2015

Green Mark Tours - Click Here to Register Now!

- **Learning Hub South**
  Nanyang Technological University
  Existing Non-Residential Building
  *Green Mark Platinum FY12*

- **CapitaGreen**
  CapitaLand Commercial Limited,
  CapitaCommercial Trust and
  Mitsubishi Estate Asia Pte. Ltd.
  New Non-Residential Building
  *Green Mark Platinum FY11*

- **The Academic and Workshop Block, BCA Academy**
  Building and Construction Authority
  New Non-Residential Building
  *Green Mark Platinum FY11*

REGISTER TO ATTEND IGBC 2015 NOW >

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