

# Press Release



FOR IMMEDIATE RELEASE

## Marina Bay Sands receives green nod for Eco-friendly practices

*Integrated resort receives the BCA Green Mark Gold Award;  
ramps up sustainability drive through Sands Eco360*

**Singapore** (3 March, 2012) – Marina Bay Sands' sustainability efforts have paid dividends, as the Building and Construction Authority (BCA) in Singapore awarded the integrated resort with the Green Mark Gold Award. With this award, Marina Bay Sands is the largest single Green Mark Building in Singapore to be certified.

This national award, which is given to buildings rated for their energy and water efficiency, environmental protection, indoor environmental quality and green innovations, comes at a time when Marina Bay Sands is increasing its eco-friendly initiatives company-wide.

Mr. George Tanasijevich, President and Chief Executive Officer for Marina Bay Sands, said, "Going green is a long-term aim of Marina Bay Sands. We've built sustainability into the design of Marina Bay Sands and took special care to procure green materials during our construction days. Now that we're serving tens of thousands of guests every day, we're even more committed to incorporating eco-friendly practices into our daily operations."

"To be awarded the BCA Green Mark Gold Award is a symbolic recognition of the progress we have made since Day 1. It also serves as a timely encouragement as we ramp up our sustainability practices this year, in line with Sands Eco360 program created by our parent company Las Vegas Sands," added Mr. Tanasijevich.

Spearheaded in the corporate headquarters at Las Vegas, Sands Eco360 is a global sustainability strategy which crosses all of the Sands businesses. With a goal of advance stewardship of the environment, the industry-leading program consists of four priorities: ***Green Building, Environmentally Responsible Operations, Green Meetings and Sustainability Education and Outreach.***

Marina Bay Sands' first green accolade in Singapore follows the lead of Las Vegas Sands in the United States, where The Venetian® and The Palazzo® together form the largest LEED® - certified building<sup>1</sup> in the world.

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<sup>1</sup> The Leadership in Energy and Environmental Design (LEED) Green Building Rating System is the nationally accepted benchmark for the design, construction and operation of high-performance green buildings in the United States.



## Green Building

Marina Bay Sands' mission to become a fully-committed green building started from its initial design phase. The property uses extensive sun shadings across most of its glass façade and roofs. These come in the shape of balconies, vertical fins and canopies – and are supplemented by specially-designed convex and concave roofs that reduce heat gain into the podium interior.

The design of the façade and the materials that were carefully selected also result in an Envelope Thermal Transfer Value (ETTV) that is better than industry standards. Furthermore, the abundant natural daylight that passes through the glass illuminates indoor areas, displacing the need for energy-intensive lights.

During the property's construction phase, Marina Bay Sands took special consideration to use green materials and practice sustainable construction management. The company utilized recycled materials and products under Singapore's Green Labeling Scheme, such as fire-rated doors, drainage cells, drywall partitions, and timber decking.

The team also added planting areas on each hotel balcony and the many roofs of the resort to help reduce the urban heat island effect – the Sands SkyPark, located 200 meters above ground, is a 12,400 m<sup>2</sup> green oasis with 250 trees and 650 plants that promote green communal spaces.

## Environmentally Responsible Operations

**Saving water:** Water efficiency is another significant aspect of Marina Bay Sands' green policies. The hotel's Eco-linen program allows guests to replenish their linens and towels only when they choose to.

The unique shape of the ArtScience Museum harvests rainwater which is recycled and used in toilets and irrigation. A drip system is also used to water plants and shrubs, avoiding wasteful spraying or evaporation. In addition, the property also installs self-closing taps and constant flow regulators in its public area bathrooms, reducing water consumption by more than 350 million liters of potable water annually in comparison to conventional fixtures and fittings. The amount of water saved is enough to supply the annual water needs for more than 800 average Singaporean households.

**Saving energy:** The property's Intelligent Building Management System has over 60,000 control points, allowing automated controls over lighting, heating and water supplies for the entire building. For instance, the system is able to automatically dim or brighten lights in the hotel and retail public areas depending on the time of the day and weather conditions.

In addition, the air-conditioning system uses chilled water that comes from water-cooled chillers, which are significantly more efficient than air-cooled models. The heat that is emitted from the chillers is reclaimed by heat pumps. This reclaimed heat is then used to provide hot water to the hotel and some restaurants, reducing energy consumption.

Marina Bay Sands also installed elevators with regenerative drives that convert excess heat to electricity. Energy-efficient light bulbs, such as LED bulbs, have been installed in hotel



corridors, guest rooms, and public areas. These bulbs are more energy efficient without compromising guest comfort and service.

### Green Meetings

With an expansive meeting space spanning more than 120,000 square meters, Sands Expo and Convention Center is the biggest MICE facility in Singapore. It is exploring ways to provide meeting planners and clients with options to customize their programming to match the property's sustainable practices, while delivering memorable events.

For instance, during the meeting planning process, electronic sales tools are used to conserve paper – including sales proposals and menu selection. The banquet team also serves with dishware and glassware to minimize use of disposables in meeting rooms, while the business center recycles its office supplies and practices e-billing to reduce the use of paper, shipping costs and labor. More initiatives will be rolled out this year.

### Sustainability Education and Outreach

Marina Bay Sands is the Prime Sponsor of **iLight Marina Bay 2012**, the second edition of Asia's sustainable art festival, organized by the Urban Redevelopment Authority. This festival will be held from 9 March to 1 April.

The integrated resort will be pulling out all stops to support the "Switch Off, Turn Up" campaign that will last throughout the festival. Green initiatives include switching off at least 20 percent of the ArtScience Museum's building façade lighting and turning up the air-conditioning to 24 degrees in its heart-of-house areas.

To build a green culture among its staff, Marina Bay Sands will be taking proactive steps to educate and engage the efforts of nearly 10,000 Team Members. It has launched a broad team member education program that encompasses messages on how to be more environmentally friendly at both work and home. It will also be launching a 'Save Paper' campaign and adding more recycling bins across the property. Come March, an inter-department challenge will be rolled out to measure the amount of paper and toner savings from printing less per department.

#### About Marina Bay Sands Pte Ltd

Marina Bay Sands is the leading business, leisure and entertainment destination in Asia. It features large and flexible convention and exhibition facilities, 2,560 hotel rooms and suites, the rooftop Sands SkyPark, the best shopping mall in Asia, world-class celebrity chef restaurants and an outdoor event plaza. Its two theaters showcase a range of leading entertainment performances including world-renowned Broadway shows. Completing the line-up of attractions is ArtScience Museum at Marina Bay Sands which plays host to permanent and marquee exhibitions. For more information, please visit [www.marinabaysands.com](http://www.marinabaysands.com)