

Marina One, Singapore



Location
Singapore

Built
Execution 2011 – 2017
GFA 400.000 m²
Green Building Certificates: LEED Platinum,
Green Mark Platinum

supergreen®

Marina One officially opened

Marina One in Singapore is to date the largest project by ingenhoven architects. The project was officially opened on 15th January 2018 by the Prime Minister of Singapore, Lee Hsien Loong and the Prime Minister of Malaysia, Dato' Sri Mohd Najib bin Tun Haji Abdul Razak. Representatives from the Project design and planning firms attended the ceremony. As an international role model for living and working, Marina One makes an innovative contribution to the discourse on mega-cities, especially in tropical regions, which, in the context of increasing population and climate change, face enormous challenges. The high-density building complex with its mix of uses extends to over 400,000 square meters and, with its group of four high-rise buildings, defines the Green Heart—a public space extending over several stories. This three-dimensional green oasis reflects the diversity of tropical flora.

Today, more than 50 percent of the world's population lives in cities. This number will increase to 70 percent in the next three decades. By 2050, the world's population will increase to nine or ten billion. In urban agglomerations, this growth cannot be accommodated without high-rise buildings. The core concept for Marina One, which consists of a group of four high-rise buildings, is based on a shared central

space—the Green Heart—which was designed by ingenhoven architects in close cooperation with landscape architects Gustafson Porter + Bowman. The interaction between the geometry of the buildings and the garden facilitates natural ventilation and generates an agreeable microclimate. The largest public landscaped area in the Marina Bay Central Business District of Singapore provides living space close to nature, the usable area of which is 125 percent of the original site surface area.

Marina One comprises four high-rise buildings which accommodate office, residential and retail functions and have been rated under the Green Mark Platinum and LEED Platinum schemes. The two office towers each have a usable floor area of 175,000 square meters; the two residential towers provide 1,042 city apartments and penthouses for about 3,000 residents.

The organic shape of the building complex with its iconic louvres, and the generous planting, contribute to an improvement of the microclimate and increase biodiversity. Inspired by Asian paddy field terraces, the green center formed by the four towers—with its multi-story three-dimensional gardens—reflects the diversity of tropical flora and creates a new habitat. This Green Heart comprises over 350 different types of trees and plants, including 700 trees, on a landscaped area of 37,000 square meters. Various types of animal become part of this biological diversity. Inspired by the natural climate changes at the different vertical levels of a rainforest, the landscape architecture mimics a green valley with its variations in climate according to level. Restaurants and cafés, retail areas, a fitness club, pool, supermarket, food court, and events areas on the different open terraces not only provide products and services to the residents, office workers, and visitors—they also create a place for social interaction.

The compact and efficient layout design is complemented by energy-saving ventilation systems, highly effective external solar screening devices, and glazing that reduces solar radiation into the building. Direct connections to four of Singapore's six mass rapid transport lines, bus stops, bicycle parking facilities, and electro-mobile charging stations ensure that exhaust emissions caused by private transport are significantly reduced. The color scheme of the interior and the building facade features calm and earthy bronze shades in order to support the harmonious atmosphere.

Awards, Nominations

2016

Iconic Awards, Concept – Visionary Living & Working, Winner

FX International Interior Design Awards 2016 - Mixed-Use-Development, Finalist

WAN Future Projects Residential Award 2016

2012

Asia Pacific 2012 International Property Award
Award Best Mixed-use Development Singapore
Award Best Mixed-use Architecture Singapore
Award Best High-rise Architecture Singapore

Team

Client

M+S Pte Ltd. Singapore, a company owned by Khazanah and Temasek

Project Management

UEM Sunrise Berhad, Malaysia
Mapletree Investments Pte Ltd., Singapore

Design architect

ingenhoven architects, Düsseldorf
ingenhoven LLP, Singapore
Christoph Ingenhoven, Martin Reuter, Christian Kawe, Olaf Kluge, Jae Man Bae, Arzu Bastug, Mario Böttger, Mehmet Congara, Darko Cvetuljski, Justyna Fleszar, Matthias Hemmrich, Gerald Huber, Ben Hughes, Ingo Jannek, Raphael Keane, Melik Kekec, Moritz Krogmann, Rosario Ligori, Stephan Lücke, Haitao Ma, Javier Martinez Martin, Christian Monning, Kenzo Nakakoji, Gillian Neumann, Danny Piwko, Peter Pistorius, Michael Rathgeb, Michael Reiß, Viviane Rosenbaum, Ulrike Schmälter, Markus Stöcklein, Zakiah Supahat, Jun Teraoka, Matthias Thoma, Thomas Weber, Jan Wesseling, Jhon Jairo Zamudio, Bibiana Zapf, Ivona Zelic

Project architect

Architects 61, Singapore

Main contractor

Joint venture company owned 60:40 by Hyundai Engineering & Construction and GS Engineering & Construction

Structural and M&E Engineers

BECA Carter Hollings & Ferner, Singapore

Quantity Surveyor

Langdon & Seah, Singapore

Residential Interior Designer

Axis ID, Singapore

Facade consultant

Arup, Singapore

Lighting consultant

Arup, Singapore

Piling contractor
Sambo E & C, Singapore

Development website
www.marinaone.com.sg

Landscape Architecture
Gustafson Porter + Bowman, London