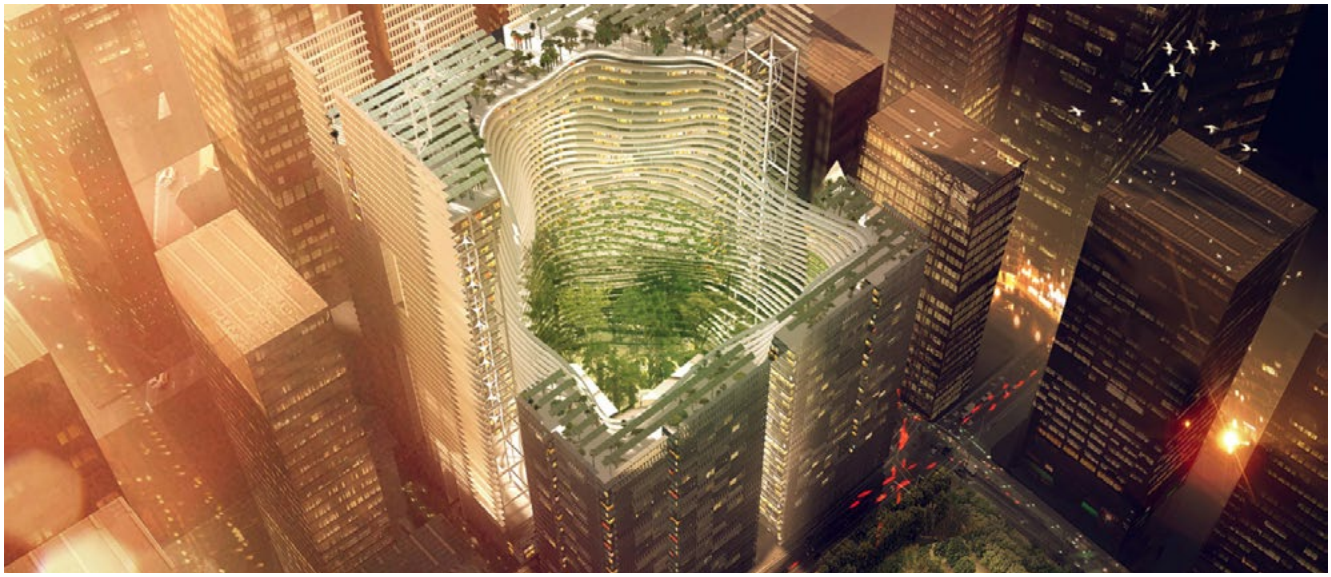
Marina One Residential Building – Skybridge between towers (Singapore)



Project description

The Marina One Residential Building is designed to be the tallest building in the City State. The project is a real estate development promoted by the Governments of Singapore and Malaysia in partnership.

Designed by Christian Ingenhoven (Ingenhoven Architects), it comprises four towers of residential, office and retail areas surrounding a courtyard, with the top levels of two towers connected by a skybridge featuring a surface area of 3.67 million square feet (about 341,000 square meters).

Project completion is scheduled for 2017.

mageba scope

mageba was chosen as the supplier for the structural support of the skybridge, and supplied the following bearings:

Forty-eight RESTON®SPHERICAL bearings providing vertical support and allowing all the longitudinal displacements required by both buildings swaying at such great heights.

The bearings feature ROBO®SLIDE high grade sliding material instead of the PTFE normally used in sliding bearings. ROBO®SLIDE offers much higher resistance to wear and abrasion than PTFE, and twice the strength so it can be designed to be much smaller than one with PTFE. Also, ROBO®SLIDE has a tested service life of over 50,000 m accumulated sliding distance against the 20,000 m of PTFE.

Highlights & facts

mageba products:

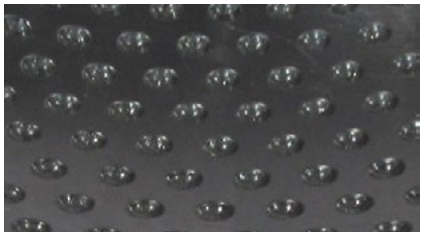
Type:	RESTON® SPHERICAL of types KE and KA
Installation:	2015

Structure:

City:	Singapore
Country:	Singapore
Completed:	2017
Type:	Pedestrian bridge
Length:	44.5 m
Owner:	Urban Redevelopment Authority
Main Contractor:	Hyundai Engineering & Construction / GS Engineering and Construction
Architect:	Ingenhoven Architects

Singapore's concept "City in a Garden" will be supported by Marina One

ROBO®SLIDE high-grade sliding material offers far higher strength and durability than PTFE



The Skybridge after bearings' installation

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