

One Za'abeel Tower 1

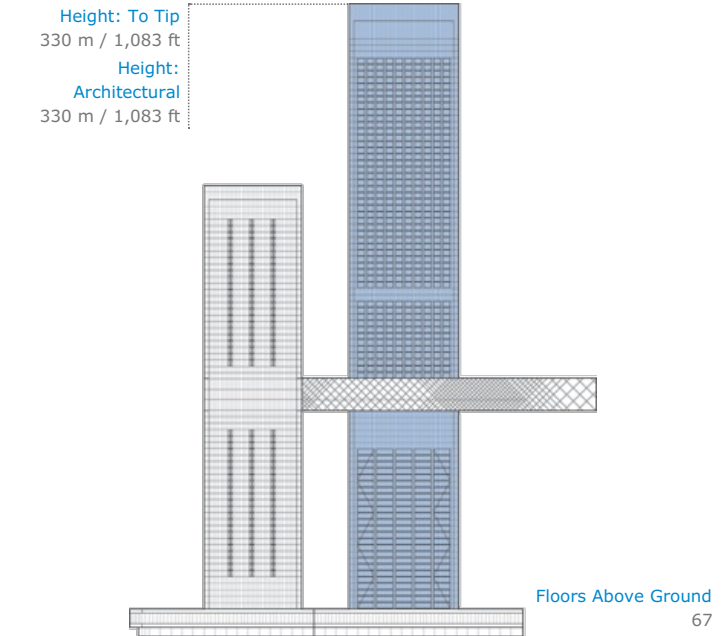
Note: As this project is under construction, the data is based on the most reliable information currently available. This data is thus subject to change until the building has completed and all information can be confirmed and ratified by the CTBUH.



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Height: To Tip
330 m / 1,083 ft
Height:
Architectural
330 m / 1,083 ft



Facts

Official Name	One Za'abeel Tower 1
Name of Complex	One Za'abeel
Structure Type	Building
Status	Under Construction
Country	United Arab Emirates
City	Dubai
Street Address & Map	Al Majlis Street
Building Function	office
Structural Material	composite <ul style="list-style-type: none"> Core: Reinforced Concrete Columns: Concrete Encased Steel Floor Spanning: Reinforced Concrete
Proposed	2014
Construction Start	2016
Completion	2021

Companies Involved

Owner	Investment Corporation of Dubai
Developer	Irtha Dubai
Architect	<ul style="list-style-type: none"> Design: NIKKEN SEKKEI LTD Architect of Record: WSP
Structural Engineer	<ul style="list-style-type: none"> Design: WSP Peer Review: Aurecon
Project Manager	Mace Limited
Main Contractor	ALEC
Material Supplier	<ul style="list-style-type: none"> Steel: ArcelorMittal

About One Za'abeel Tower 1

The One Za'abeel development takes the idea of the "gateway" to a new level. The two towers, containing office functions (Tower 1, 330 meters) and residential / hotel functions (Tower 2, 235 meters), are positioned on either side of an elevated highway. A horizontal "Link" structure connects the two towers and proceeds past the edge of Tower 1 in a dramatic cantilever, providing additional structural stability as well as a signature event space. The Link, suspended 100 meters above the ground, offers a choice of attractions, including restaurants, lounges, cafes, bars, and observation deck, a gym, a spa, a pool, a banquet hall and a rooftop terrace.

The superstructure for the hotel and residential floors of both towers is comprised of a concrete core-and-outrigger system, which allows different column grids for each function. The system is based on a 3-meter module. The Link structure is a perimeter diagonal tube, with sufficient vertical and torsional stiffness and strength, so as to provide column-free space on its upper level.

The podium inclines from ground level to the roof, and is abundantly crowned with greenery and water bodies. The lobby of the hotels and serviced apartments is located on the lower levels of the slope, with welcoming views over water features, greenery, and the Link above. The top surface of the podium is richly landscaped, covering the entrances and drop-offs with shade.

Research Papers

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