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Jeddah Tower

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.

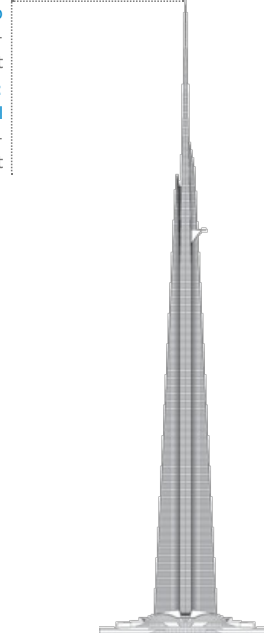


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Height: To Tip
1000+ m / 3,281+ ft

Height: Architectural
1000+ m / 3,281+ ft



Height: Observatory
652 m / 2,139 ft

Floors Above Ground
167

Floors Below Ground
2

of Elevators
59

Top Elevator Speed
10 m/s

Tower GFA
243,866 m² / 2,624,952 ft²

Development GFA
8,127,000 m² / 87,478,300 ft²

of Apartments
439

of Hotel Rooms
200

of Parking Spaces
2,205

Facts

Official Name	Jeddah Tower
Other Names	Kingdom Tower
Structure Type	Building
Status	Under Construction
Country	Saudi Arabia
City	Jeddah
Street Address & Map	Jeddah Economic City
Building Function	residential / serviced apartments
Structural Material	concrete
Proposed	2011
Construction Start	2013
Official Website	Jeddah Tower

Companies Involved

Owner/Developer	Jeddah Economic Company; Kingdom Real Estate Development
Architect	<ul style="list-style-type: none"> Design: Adrian Smith + Gordon Gill Architecture Architect of Record: Dar al-Handasah Shair & Partners
Structural Engineer	<ul style="list-style-type: none"> Design: Thornton Tomasetti Peer Review: Magnusson Klemencic Associates
MEP Engineer	<ul style="list-style-type: none"> Design: Environmental Systems Design, Inc. Peer Review: Cosentini Associates
Project Manager	EC Harris ; Mace Limited
Main Contractor	Saudi Bin Laden Group
Other Consultant	<ul style="list-style-type: none"> Acoustics: Environmental Systems Design, Inc. Civil: Langan Engineering Damping: RWDI Façade Maintenance: Lee Herzog Consulting Fire: Rolf Jensen & Associates Geotechnical: Langan Engineering Landscape: SWA Group Lighting: Fisher Marantz Stone Parking: Langan Engineering Quantity Surveyor: Omnium International Ltd. Security: Aegis Defence Services Limited Traffic: Langan Engineering Vertical Transportation: Fortune Shepler Consulting Way Finding: Forcade Associates Wind: RWDI
Material Supplier	

- Cladding [Dow](#); [Guardian Glass](#); Jangho Group Co., Ltd.
- Crane [Liebherr](#)
- Elevator [KONE](#)

About Jeddah Tower

At the forefront of worldwide skyscraper activity, Jeddah Tower represents an unprecedented exercise that dares to go beyond the one kilometer threshold, a height that seemed only to exist in fantasy just years ago. Inspired by a bundle of leaves shooting up from the ground, it is meant to emanate the growth, prosperity, and regional emergence of its homeland on the global stage, a role that many of the world's tallest buildings have played in their respective locales.

The multivariate form of the tower is rationalized by a "Y"-shaped plan and a continuously smooth taper, which will significantly reduce structural loads by obviating the need for the complicated outrigger transfers and belt trusses required in a setback approach. Furthermore, each wing of the tower will terminate at different heights, allowing them to taper at different rates and establish a distinct three-part spire. The supporting structure for the building is comprised entirely of cast-in-place reinforced concrete walls, coupling beams, and conventionally reinforced plate concrete floor framing. Due to the continuous and uninterrupted vertical nature of the walls, a highly efficient jump form system is utilized that will permit a continuous and uninterrupted construction process.

A series of balconies interrupt the smooth exterior, serving to provide both a cool outdoor element for occupants and shading for the tower's surface, reducing direct solar radiation. Inside the tower, office floors are located at the bottom to take advantage of larger floor plates. These are followed by hotel, serviced apartments, and residential units of different sizes. At the very top, a massive penthouse will allow a tenant to reside at the crown of the building. Originally designed as a helipad, a circular sky terrace protrudes from one of the top levels, a feature that will be the highest of its kind in the world.

Jeddah Tower

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[Vertical Shortening Considerations in the 1 km Tall Jeddah Tower](#)

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