

## Princess Tower



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Height: To Tip  
414 m / 1,358 ft  
Height:  
Architectural  
413.4 m / 1,356 ft  
Height: Occupied  
356.9 m / 1,171 ft



Height: Observatory  
356.9 m / 1,171 ft  
Floors Above Ground  
101  
Floors Below Ground  
6  
# of Elevators  
13  
Top Elevator Speed  
6 m/s  
Tower GFA  
171,175 m<sup>2</sup> / 1,842,512 ft<sup>2</sup>  
Development GFA  
171,175 m<sup>2</sup> / 1,842,512 ft<sup>2</sup>  
# of Apartments  
763  
# of Parking Spaces  
957

### Facts

Official Name	Princess Tower
Structure Type	Building
Status	COM
Country	United Arab Emirates
City	Dubai
Street Address & Map	Al Sufouh Road, Dubai Marina
Postal Code	47748
Building Function	residential
Structural Material	steel/concrete
Proposed	2005
Construction Start	2006
Completion	2012
Official Website	<a href="#">Princess Tower</a>

### Companies Involved

Owner	Tameer Holding Investment
Developer	Tameer Holding Investment; Gemstone Development
Architect	
• Design	Eng. Adnan Saffarini
Structural Engineer	
• Design	Eng. Adnan Saffarini
MEP Engineer	
• Design	Eng. Adnan Saffarini
Main Contractor	Arabian Construction Company
Other Consultant	
• Damping	RWDI
• Wind	RWDI
Material Supplier	
• Elevator	KONE
• Sealants	Dow Corning Corporation; Sika Services AG

### About Princess Tower

Princess Tower set the precedent for all-residential towers, both in Dubai and around the world. Its prime location puts it in near a number of amenities including several malls, entertainment venues, and cultural attractions. An adjacent tram connects the tower to the rest of the sprawling city. At the time of its completion in 2012, the building was the tallest all-residential tower in the world, a title that is destined to change hands rapidly in the coming years given the number of tall residential towers due for completion.

Like many of its nearby counterparts, Princess Tower is lavishly adorned in a style that reflects the region's emerging architectural formula, with a façade that is broken up into several discernible sections. Its main body is punctuated by a series of gently bowed balconies inset into the center of each wall, while the buildings corners are lined with windows. At higher floors, the exterior pattern changes, with glass cladding broken up by crosscut vertical and horizontal panels. The crown of the tower is perhaps the building's most remarkable feature. As the crown steps back, two series of crenellated teeth ring around a vertically striped dome that is topped with a compact spire.

The tower incorporates several strategies to manage the safety of its occupants. High-tech fire detection and suppression systems manage risks in the building, exceeding most jurisdictional requirements. To increase comfort levels, a tuned sloshing damper tank was integrated at roof level to compensate for lateral movement of the tower. Additionally, a wind-speed alarm was installed in each apartment on upper floors to warn residents of high winds prior to opening balcony doors. By combining world-class luxury and safety performance, Princess Tower set the standard for supertall residential structures.

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