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## Lotte World Tower



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Height: To Tip  
555.7 m / 1,823 ft

Height:  
Architectural  
554.5 m / 1,819 ft

Height: Occupied  
497.6 m / 1,633 ft



Height: Observatory  
497.6 m / 1,633 ft

Floors Above Ground  
123

Floors Below Ground  
6

# of Elevators  
58

Top Elevator Speed  
10 m/s

Tower GFA  
304,081 m<sup>2</sup> / 3,273,101 ft<sup>2</sup>

Development GFA  
505,294 m<sup>2</sup> / 5,438,939 ft<sup>2</sup>

# of Hotel Rooms  
260

### Facts

Official Name	Lotte World Tower
Other Names	□□□□□□, Lotte Jamsil Super Tower, Lotte World Premium Tower
Structure Type	Building
Status	Completed
Country	South Korea
City	Seoul
Street Address & Map	Shincheon-Dong, Songpa-Ku
Building Function	hotel / residential / office / retail
Structural Material	composite <ul style="list-style-type: none"> <li>• Core: Reinforced Concrete</li> <li>• Columns: Concrete Encased Steel</li> <li>• Floor Spanning: Steel</li> </ul>

Construction Start	2011
Completion	2017

### Rankings

	Click arrows to view the next taller/shorter buildings	
Global Ranking	#5 Tallest in the World	▲ ▼
Regional Ranking	#3 Tallest in Asia	▲ ▼
National Ranking	#1 Tallest in South Korea	▼
City Ranking	#1 Tallest in Seoul	▼

### Companies Involved

Owner/Developer	Lotte Property & Development
Architect	<ul style="list-style-type: none"> <li>• Design Kohn Pedersen Fox Associates</li> <li>• Architect of Record BAUM Architects</li> </ul>
Structural Engineer	<ul style="list-style-type: none"> <li>• Design Leslie E. Robertson Associates</li> <li>• Engineer of Record Chang Minwoo Structural Consultants</li> <li>• Peer Review Thornton Tomasetti</li> </ul>
MEP Engineer	<ul style="list-style-type: none"> <li>• Design SYSKA Hennessy Group</li> <li>• Peer Review WSP   Parsons Brinckerhoff</li> </ul>
Main Contractor	LOTTE Engineering & Construction
Other Consultant	<ul style="list-style-type: none"> <li>• Cost Rider Levett Bucknall</li> <li>• Energy Concept WSP   Parsons Brinckerhoff</li> <li>• Façade ALT Limited</li> <li>• Façade Maintenance Manntech Building System; Lerch Bates</li> <li>• Fire Aon Fire Protection Engineering</li> <li>• LEED WSP   Parsons Brinckerhoff</li> <li>• Marketing The Leading Hotels of the World, Ltd.</li> <li>• Security Aon Global Risk Consulting</li> <li>• Vertical Transportation Fortune Shepler Consulting</li> <li>• Wind RWDI</li> </ul>
Material Supplier	<ul style="list-style-type: none"> <li>• Elevator Otis Elevator Company; Mitsubishi Elevator and Escalator</li> <li>• Façade Maintenance Equipment Manntech Building System</li> </ul>

### About Lotte World Tower

Taking inspiration from traditional Korean art forms in the design of the various interior program spaces, the sleek tapered form of Lotte World Tower will stand out from Seoul's rocky, mountainous topography. The tower is programmed with a greater variety of functions than is normally found in a tall building. It contains retail components, offices, a 7-star luxury hotel, and an officetel. Officetels, common in South

Korean real estate, offer studio-apartment-style accommodations for people who work in the building and often feature certain services found in hotels, such as furnishings, a security desk, and gym access. The building's top 10 stories are earmarked for extensive public use and entertainment facilities, including an observation deck and rooftop café.

The design of the tower melds a modern aesthetic with forms inspired by Korean ceramics, porcelain, and calligraphy. The seam that runs from top to bottom of the structure gestures toward the old center of the city. Elegance of form was one of the prime objectives, following the desire of stakeholders to bestow a beautiful monument to the capital city skyline. Exterior materials will be light-toned silver glass accented by a filigree of white lacquered metal.

Lotte World Tower has been designed and constructed at the same time as a 10-story base that accommodates as much area as its vertical counterpart. Vertical density is linked to horizontal density, and the range of complementary uses is increased. Connections between the two major building components are made via interior pathways at many levels, but also by active outdoor public space. In fact, one of the most effective measures taken to activate the tower and connect it to adjacent buildings is the outdoor plaza. This space forms an "outdoor room," compressed enough in its dimensions to encourage visual and pedestrian penetration of its boundary walls.

## Lotte World Tower

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### CTBUH Initiatives

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#### [CTBUH Journal 2018 Issue I](#)

5 Feb 2018 – CTBUH Publication

#### [Vertical Transportation: Ascent & Acceleration](#)

12 Sep 2017 – CTBUH Research

#### [CTBUH Certifies Lotte Tower as Fifth Tallest Building Worldwide](#)

4 Apr 2017 – CTBUH-Related News

[More Initiatives](#) →

### Research Papers

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#### [The Mixed-Use Supertall and the Hybridization of Program](#)

Mar 2018 – International Journal of High-Rise Buildings Volume 7 Number 1

#### [2017: Skyscraper History's Tallest, Highest- Volume, and Most Geographically Diverse Year](#)

5 Feb 2018 – CTBUH Journal, 2018 Issue I

#### [Lotte World Tower: Seoul's First Supertall](#)

5 Feb 2018 – CTBUH Journal, 2018 Issue I

[More Papers](#) →

### Videos

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#### [Vertical Village as National Symbol](#)

31 May 2018 – Hyunchul Park, Lotte Property & Development; James von Klemperer, Kohn Pedersen Fox Associates

#### [Challenges and Opportunities for Structural Design of the 123-Story Jamsil Lotte World Tower](#)

26 Oct 2015 – Jong-Ho Kim, Chang Minwoo Structural Consultants

#### [2015 New York Conference - Session 2a - Q&A](#)

26 Oct 2015 – Panel Questions & Answers

[More Videos](#) →

### CTBUH Awards

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#### [Best Tall Building Asia & Australasia 2018 Award of Excellence](#)

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