

## Zhengzhou Greenland Plaza

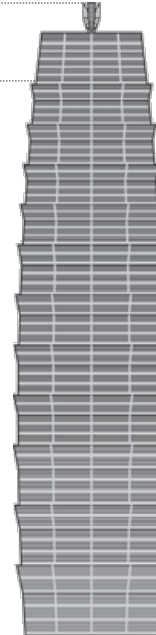


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Height: To Tip  
280 m / 919 ft

Height: Architectural  
280 m / 919 ft  
Height: Occupied  
244.7 m / 803 ft



Height: Observatory  
244.7 m / 803 ft

Floors Above Ground  
56

# of Elevators  
22

Tower GFA  
240,169 m<sup>2</sup> / 2,585,158 ft<sup>2</sup>

Development GFA  
253,000 m<sup>2</sup> / 2,723,269 ft<sup>2</sup>

# of Hotel Rooms  
416

# of Parking Spaces  
203

### Facts

Official Name	Zhengzhou Greenland Plaza
Other Names	Millennium Royal Plaza
Structure Type	Building
Status	COM
Country	China
City	Zhengzhou
Street Address & Map	Shangwu Inner Ring Road
Building Function	hotel / office
Structural Material	composite
Proposed	2006
Construction Start	2007
Completion	2014

### Companies Involved

Owner/Developer	Greenland Group
Architect	<ul style="list-style-type: none"> <li>Design: Skidmore, Owings &amp; Merrill LLP</li> <li>Architect of Record: East China Architectural Design &amp; Research Institute</li> </ul>
Structural Engineer	<ul style="list-style-type: none"> <li>Design: Skidmore, Owings &amp; Merrill LLP</li> </ul>
MEP Engineer	<ul style="list-style-type: none"> <li>Design: Skidmore, Owings &amp; Merrill LLP</li> </ul>
Project Manager	East China Architectural Design & Research Institute
Main Contractor	Zhejiang Zhong Tian Construction Group Co., Ltd.
Other Consultant	<ul style="list-style-type: none"> <li>Wind: RWDI</li> <li>Material Supplier: Dow Corning Corporation</li> </ul>

### About Zhengzhou Greenland Plaza

The Greenland Plaza tower is instantly recognizable for its sophisticated three- to five-story-tall light-gauge painted aluminum screens. Configured at an outward cant that enhances interior daylighting through scientifically calculated reflections, the screens protect the all-glass exterior from solar gain. The rhythmic cant of the screens, combined with their decreasing size as they rise on the building, creates a dynamic movement that gives the building a fine-grained texture.

The entire experience of the tower is suffused with gradations of light. At the tower's entrance, the circular ground-floor office lobby features floor-to-ceiling windows, offering views of the gardens and the lake beyond. At the 36th floor, the hotel lobby anchors an 18-story atrium; natural light permeates throughout. Above the observation deck, the heliostat – a digitally shaped solar reflector – focuses sunlight into the atrium. Through an intensive series of daylighting studies, the device was specifically designed to maximize the amount of natural light entering the building.

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### Research Papers

**Year in Review: Tall Trends of 2012**  
Dec 2012 – CTBUH Journal, 2013 Issue I

**Case Study: Greenland's Suzhou Center, Wujiang**  
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