

## Greenland Puli Center



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Height: To Tip  
303 m / 994 ft

Height:  
Architectural  
303 m / 994 ft  
Height: Occupied  
244.2 m / 801 ft



Floors Above Ground  
61

Floors Below Ground  
3

# of Elevators  
22

Top Elevator Speed  
6 m/s

Tower GFA  
111,064 m<sup>2</sup> / 1,195,483 ft<sup>2</sup>

Development GFA  
197,140 m<sup>2</sup> / 2,121,997 ft<sup>2</sup>

# of Parking Spaces  
860

### Facts

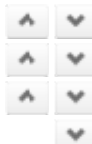
|                      |  |
|----------------------|--|
| Official Name        | Greenland Puli Center  |
| Other Names          | Jinan Greenland Center, Puli Center, Greenland Plymouth Center   |
| Structure Type       | Building   |
| Status               | Completed  |
| Country              | China  |
| City                 | Jinan  |
| Street Address & Map | No.28 Gongqingtuan Road  |
| Postal Code          | 250012   |
| Building Function    | office   |
| Structural Material  | composite <ul style="list-style-type: none"> <li>Core: Reinforced Concrete</li> <li>Columns: Concrete Filled Steel</li> <li>Floor Spanning: Steel</li> </ul> |

|                    |      |
|--------------------|------|
| Proposed           | 2010 |
| Construction Start | 2011 |
| Completion         | 2014 |

### Rankings

Click arrows to view the next taller/shorter buildings

|                  |                           |
|------------------|---------------------------|
| Global Ranking   | #152 Tallest in the World |
| Regional Ranking | #91 Tallest in Asia       |
| National Ranking | #76 Tallest in China      |
| City Ranking     | #1 Tallest in Jinan       |



### Companies Involved

|                     |   |
|---------------------|---|
| 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> <li>Engineer of Record: East China Architectural Design &amp; Research Institute</li> </ul>  |
| MEP Engineer        | <ul style="list-style-type: none"> <li>Engineer of Record: East China Architectural Design &amp; Research Institute</li> </ul>  |
| Main Contractor     | Shanghai Construction Group   |
| Other Consultant    | <ul style="list-style-type: none"> <li>Landscape: Aspect Studios</li> </ul>   |
| Material Supplier   | <ul style="list-style-type: none"> <li>Cladding: Jangho Group Co., Ltd.</li> <li>Elevator: KONE</li> </ul>  |

### About Greenland Puli Center

Beginning with an international architectural competition, Greenland Puli Center was intended to be a new landmark and a new tallest building for the city of Jinan. Initially planned for a height of 260 meters, the height was increased during construction to create the city's first supertall building. The site adjacent to Shunhe Road places the tower on prominent corner and on a highly visible location alongside major north-south thoroughfare through the heart of Jinan.

The intersection with Jingsi Road created a triangular site, and unlike many supertall projects in China where the tower may be set within a large superblock, the Greenland Puli Center responds directly to its immediate context and the tower is brought right up to the sidewalk. The overall form of the tower as a result is triangular as well, with rounded corners and then tapers as it rises upward to a rounded crown and a central spire.

The Greenland Puli Center was constructed with a composite frame composed of a reinforced concrete core and large tubular steel columns making up the perimeter with a core and outrigger system. A steel belt truss passing through two floors wraps the perimeter of the building at the 30th-31st floors where the tapering of the structure begins and the corner columns begin angling inward as they rise toward the top.

The exterior of the building is sheathed in a glass curtain wall with a strong emphasis on vertical lines through the placement of decorative fins which continue up the façade and into the crown. Once the fins reach the crown level, the vertical accents are then turned upside down with a series of concentric arches created within an open framework revealing the internal spire which then pushes through the crown to create the tower's peak.

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