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## Greenland Group Suzhou Center

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

358 m / 1,175 ft

Height:

Architectural

358 m / 1,175 ft

Height: Occupied

328.8 m / 1,079 ft

Floors Above Ground

77

Floors Below Ground

3

Development GFA

284,828 m<sup>2</sup> / 3,065,863 ft<sup>2</sup>

### Facts

Official Name	Greenland Group Suzhou Center
Structure Type	Building
Status	Under Construction
Country	China
City	Suzhou
Street Address & Map	Chunjiang Road
Building Function	serviced apartments / hotel / office
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>
Proposed	2011
Construction Start	2014
Completion	2020

### 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> </ul>
MEP Engineer	<ul style="list-style-type: none"> <li>Design: Skidmore, Owings &amp; Merrill LLP</li> </ul>
Other Consultant	<ul style="list-style-type: none"> <li>Acoustics: Shen Milsom Wilke, Inc.</li> <li>Façade Maintenance: Lerch Bates</li> <li>Fire: Aon Fire Protection Engineering</li> <li>Landscape: SWA Group</li> <li>Lighting: CD+M Lighting Design Group, LLC</li> <li>Vertical Transportation: Edgett Williams Consulting Group Inc.</li> <li>Wind: RWDI</li> </ul>
Material Supplier	<ul style="list-style-type: none"> <li>Ceiling: Armstrong World Industries</li> </ul>

### About Greenland Group Suzhou Center

Greenland Group Suzhou Center, sited prominently along Lake Taihu, is the defining visual landmark for the new Wujiang lakefront development. With an explicit focus on reducing energy consumption and conserving water, the Greenland Group Suzhou Center employs high-efficiency measures and intelligent structural modifications to minimize the building's environmental impact. The tower is anticipated to achieve a LEED Silver designation.

Architects used highly advanced aerodynamic digital modeling techniques to craft the shape of the tower, which contributes to the building's sustainable performance. The design was subjected to a series of digital wind tests that allowed the form to be refined. Convex primary façades and concave short façades have been shaped to decrease the building's structural loads and increase natural ventilation flow. Operable panels have also been tucked into the corners of the east and west atrium façades at each floor to allow for cross ventilation when weather allows.

The building's dynamic tapering form effectively unifies its office and residential uses within a gently curved volume that culminates in a

30-story-tall opening, a feature that marks the tower's presence on the city skyline. Acting as a "lung," the enormous aperture invites cool air flow during summer months and floods the interior spaces with natural light.

The atrium's facade maximizes daylight penetration, facilitates mixed mode ventilation in the lobbies and public spaces, and acts as a fresh air supply source for the hotel and serviced apartments. Like many expanding cities, poor air quality presents an environmental challenge in Wujiang. Since the greatest concentration of pollutants can be found at lower elevations, fresh air will be supplied through enormous openings at the top of the tower.

Taken as a whole, the Greenland Group Suzhou Center marks the intersection of elegant design and function, employing advanced technologies to minimize the building's footprint on the environment.

## Greenland Group Suzhou Center

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### CTBUH Initiatives

#### [Top Company Rankings: The World's 100 Tallest Buildings](#)

13 Oct 2016 – CTBUH Research

#### [Greenland's Suzhou Center Chosen as Featured Building](#)

Oct 2012 – Featured Tall Building

### Videos

#### [Interview: Greenland Group Suzhou Center](#)

20 Sep 2012 – ZhaoHui Jia, Greenland Group

### Research Papers

#### [Case Study: Greenland's Suzhou Center, Wujiang](#)

Sep 2012 – CTBUH Journal, 2012 Issue III

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