China Resources Tower

Facts

Official Name: China Resources Tower
Name of Complex: China Resources Shenzhen Bay
Other Names: China Resources Headquarters, China Resources Shenzhen Bay
Structure Type: Building
Status: Completed
Country: China
City: Shenzhen
Street Address & Map: No. 2666, Keyuan South Road
Postal Code: 518052
Building Function: Office
Structural Material: Composite
  • Core: Reinforced Concrete
  • Columns: Steel
  • Floor Spanning: Steel

Proposed: 2012
Construction Start: 2014
Completion: 2018

Rankings
  Global Ranking: #27 Tallest in the World
  Regional Ranking: #18 Tallest in Asia
  National Ranking: #13 Tallest in China
  City Ranking: #3 Tallest in Shenzhen

Companies Involved

Owner/Developer: China Resources (Holdings) Company Limited
Architect
  • Design: Kohn Pedersen Fox Associates
  • Architect of Record: CCDI Group
Structural Engineer
  • Design: Arup
  • Engineer of Record: CCDI Group
MEP Engineer
  • Design: WSP
  • Engineer of Record: WSP; CCDI Group
Main Contractor: China State Construction Engineering Corporation

Other Consultant
  • Access: Lerch Bates
  • Façade: Arup
  • Façade Maintenance: Lerch Bates
  • Fire: Arup
  • Lighting: Brandston Partnership, Inc.
  • Marketing: Wordsearch
  • Quantity Surveyor: WT Partnership
  • Sustainability: Atkins
  • Traffic: MVA Transportation, Planning & Management Consultants
  • Vertical Transportation: WSP

Material Supplier
  • Cladding: Jangho Group Co., Ltd.
  • Elevator: Hitachi, Ltd.
  • Paint/Coating: Jotun
About China Resources Tower

The China Resources Tower is located in the center of the Houhai District in Shenzhen. The supertall tower anchors the master planned China Resources Business District, which is bordered by Shenzhen Bay to the east, the Shenzhen Sports Complex to the north, and a linear greenbelt to the south.

Strategically positioned to overlook Shenzhen Bay, the tower is fully enmeshed in its built environment through underground links to public transportation. The experience of the building is enriched by the addition of a vegetated park to the north where a small glass pavilion transitions into a sunken plaza that functions as a hub space connecting the office lobby at the mezzanine level, a museum, retail space, performance hall, and auditorium.

The verticality of the tower and its tapered sculptural form is further emphasized by a series of external columns. These 56 columns converge into 28 columns along both the bottom and upper sections of the tower in a diagrid form. The diagrid not only strengthens the building’s structural integrity, but creates unique visual and functional conditions. At the base, it serves a series of entry portals, while at the top, it facilitates the building’s iconic form with a series of circular plans terminating in a sharp point. This structural system also allows for column-free office interiors.

The tapering tower form facilitates a variety of office types, with an organizational structure that allows for smaller and more boutique office floor plates. The “sky hall” located at the very top of the tower is where various corporate functions will be held. There, occupants get an interior view of the spire as well as views of the surrounding city.

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17 Jan 2018 – CTBUH News

Research Papers

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Apr 2019 – CTBUH Journal 2019 Issue II

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