Guangzhou CTF Finance Centre

**Facts**

- **Official Name**: Guangzhou CTF Finance Centre
- **Other Names**: The CTF Guangzhou, Chow Tai Fook Centre, East Tower
- **Structure Type**: Building
- **Status**: Completed
- **Country**: China
- **City**: Guangzhou
- **Street Address & Map**: 6 Zhujiang Dong Road, Tianhe District
- **Postal Code**: 510623
- **Building Function**: hotel / residential / office
- **Structural Material**: composite
- **Energy Label**: LEED GOLD
- **Proposed**: 2009
- **Construction Start**: 2010
- **Completion**: 2016
- **Rankings**: 
  - Global Ranking: #7 Tallest in the World
  - Regional Ranking: #4 Tallest in Asia
  - National Ranking: #3 Tallest in China
  - City Ranking: #1 Tallest in Guangzhou

**Companies Involved**

- **Owner**: Chow Tai Fook Enterprises
- **Developer**: Guangzhou Xinyu Real Estate Development Co., Ltd.
- **Architect**
  - Design: Kohn Pedersen Fox Associates
  - Architect of Record: Leigh & Orange; Guangzhou Design Institute
- **Structural Engineer**
  - Design: Arup
  - Peer Review: Leslie E. Robertson Associates
- **MEP Engineer**
  - Design: WSP | Parsons Brinckerhoff
- **Project Manager**: New World China Land Limited
- **Main Contractor**: China State Construction Engineering Corporation
- **Other Consultant**
  - Acoustics: Campbell Shillinglaw Lau Ltd
  - Cost: Rider Levett Bucknall
  - Façade: ALT Limited
  - Fire: Arup
  - Geotechnical: Arup
  - Interiors: Yabu Pushelberg; Perception Design (HK) Ltd.; Super Potato
  - Landscape: P Landscape Co
  - LEED: WSP | Parsons Brinckerhoff
  - Marketing: Wordsearch
  - Security: Arup
  - Traffic: MVA Transportation, Planning & Management

**Height**

- Height: Occupied: 495.5 m / 1,626 ft
- Height: To Tip: 530 m / 1,739 ft
- Height: Architectural: 530 m / 1,739 ft

**Dimensions**

- Floors Above Ground: 111
- Floors Below Ground: 5
- # of Elevators: 86
- Top Elevator Speed: 20 m/s
- Tower GFA: 398,000 m² / 4,284,036 ft²
- Development GFA: 507,681 m² / 5,464,633 ft²
- # of Apartments: 355
- # of Hotel Rooms: 251
- # of Parking Spaces: 1,705
About Guangzhou CTF Finance Centre

Guangzhou CTF Finance Centre is a mixed-use tower located across from Guangzhou International Finance Center and Canton Tower. The project is adjacent to a large central park and a subterranean retail concourse with transportation interchanges, integrating the project into the city and the wider region.

The design of Guangzhou CTF Finance Centre is derived from the efficient synthesis of its multiple uses. Its form is sculpted at four major transition points: office to residential, residential to hotel, hotel to crown, and crown to sky. Instead of tapering to accommodate the smaller floor plates required for different programs, the tower steps back at four angled parapets. These four setbacks allow for lush sky terraces and dramatic skylights.

Careful attention was paid to the material selection for the tower. Thus, a series of subtle terra cotta mullions line the tower’s elevations. This material played a very important role in both Eastern and Western history, and is also beneficial from an environmental standpoint. The embodied energy of terra cotta is far less than aluminum, glass, or steel. It is self-cleaning and corrosion-resistant. Moreover, it can be produced in many locations in China, reducing the environmental impact of shipping. These terra cotta mullions were designed to project out from the glass on an angle to provide shading on the exterior.

The building employs a number of energy efficient tools to reduce its environmental footprint. In addition to its strong multi-level connections to public transportation, the use of high-efficiency chillers and heat recovery from the water-cooled chiller condensers all contribute to the building’s sustainability.

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