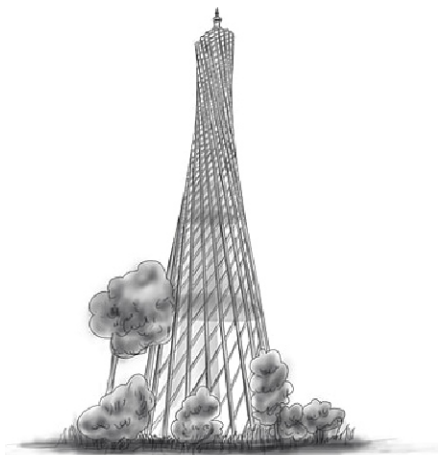


A CLOSER LOOK



The Canton Tower's main body stands at 450 m (1,476 ft). Combined with the tower's 150-meter-long (492 ft) antenna, the Canton Tower has a total height of 604 m (1,982 ft), making it the second tallest tower in the world, second tallest in Asia, and the tallest in the People's Republic of China. The tower has a total of 112 floors.

The Canton Tower weighs a total of 100,000 tons (100,000,000 kg), including the tower's antenna which weighs 1,550 tons (1,550,000 kg) and the main body, which includes all the features of the tower, which weighs a total of 98,450 tons (98,450,000 kg).



One of the early sketches.

THE CANTON TOWER

Canton Tower was constructed by Guangzhou New Television Tower Group. It is designed by the Dutch architects Mark Hemel and Barbara Kuit of Information Based Architecture, together with Arup, the international design, engineering and business consulting firm headquartered in London, United Kingdom. In 2004, Information Based Architecture and Arup won the international competition, in which many internationally large architectural offices participated. The same year the IBA - Arup team in Amsterdam, developed the tower's concept design. In later stages, IBA cooperated mainly with the local Chinese office of Arup and a Local Design Institute. Subsequently, in 2005, the groundbreaking of the Canton Tower took place.

The tower, although not fully completed, opened to the public on October 1, 2010, in time for the 16th Asian Games, hosted by Guangzhou in November 2010. The rooftop observatory finally received its official opening in December 2011.

Canton Tower is located at an intersection of Guangzhou New City Central Axis and Pearl River, facing directly Haixinsha Island and Zhujiang New Town. It is currently the highest tower in China and the third highest tower in the world. Canton Tower is 600 meters high, with 450 meters of its main body and 150 meters of its antenna, which makes it the highest tower in China and third highest in the world. The tower shows a spirit of dynamic Guangzhou welcoming challenges and embracing the world.

The Canton Tower is a comprehensive sightseeing building as well as a renowned tourist attraction with the multi-functions of sightseeing, adventure, food & beverage, wedding, MICE, 4D cinema, sci-tech, education and shopping. It has been entitled as a National AAAA-Level Tourist Attraction, as the most valuable member of World Federation of Great Towers.

Canton Tower has three Guinness World Records holders for Highest Revolving Restaurant in a building, Highest Post Office in a building and Highest Thrill Ride. Canton Tower has also successfully become one of the privileged members of World Federation of Great Towers (WFGT) and it also has earned the recognition as a national AAAA-level tourist attraction, which was awarded in 2013.

Technically, it's a radio and TV transmitting tower. In terms of architecture, it's not a building.

Broadcasting from the CANTON TOWER



Guangzhou Broadcasting Network

Operates 20 DTMB TV channels and 4 FM stations:

News Radio - FM 96.2 Mhz - *News and talk format*

Car Music Radio - FM 102.7 MHz - *Music format*

Traffic Radio - FM 106.1 MHz & AM 1098 kHz -
*Traffic updates, also serves as the emergency
broadcasting service "Guangzhou Emergency
Radio"*

Teens Radio - FM 88.0 MHz & AM 1170 kHz -
*Music format under the My FM China branding,
also known as "Guangzhou My FM 88.0"*

It would be a pity to build such a tall tower without integrating within it radio and television transmitting functions, as well as a cell phone signal transmission function. Canton Tower is first and foremost a transmitting tower, hence the 156-meter antenna atop the main structure, despite the fact that the tower's function as a tourism venue, which includes dining, entertainment, sightseeing, and infotainment functions, will most certainly overshadow the tower's commercial value as a transmitting tower.

As something special, the transmitting antenna has an electronically controlled set of lights that will display a different color depending on the day of the week. Thus by simply observing the color of Canton Tower's antenna on any given day, one can determine the day of the week, should one's electronic watch, cell phone, and Palm device all suddenly fail :) – joking aside, this small detail harks back to China's ancient history, where different joss stick ("incense") aromas signaled the different periods of the day: early-, mid- or late morning; early-, mid- or late afternoon; etc.

The radio, TV, and cell phone transmission functions of the tower proper are augmented by the Broadcast and Television Center building, located adjacent to the tower, which is controlled by the China Media Group.

The sole broadcaster on the Canton Tower is China Media Group. On March 21, 2018, the Government of the People's Republic of China announced that China Central Television (CCTV), China National Radio, and China Radio International were to be unified to become the China Media Group after the first session of the 13th National People's Congress. Broadcasting since May 1, 1958 as China Central Television (CCTV), modern day CMG has a total of 49 television channels as of February 2021, consisting of 26 free channels, 17 pay channels and 6 foreign channels, making CMG the world's largest number of TV channels operated by a single television network.

CMG broadcasts 20 separate DTMB TV channels from Canton Tower. China National Radio, now simply known as CNR, operates 4 separate FM radio stations from Canton Tower. All of the stations are operated under the division name, Guangzhou Broadcasting Network.

A CLOSER LOOK **THE CANTON TOWER**

Want the full story? It's all here...

<https://www.chinadiscovery.com/guangdong/guangzhou/canton-tower.html>



Canton Tower Spider Walk

The 1,000-meter-long Spider Walk locates at the 168 meter to 334.4 meter height of Canton Tower, with a transparent floor made up of 90 pieces of glasses. It is the world's longest spiral staircase—a dizzying 32 story hike up one of the world's tallest structures. The "Spider Walk" begins on the 32nd story of the Canton Tower, and takes you to the 1000 meters long spiral staircase around the waist of the tower. The stairs may make you dizzy with the double-glass set into the floor, on which you will truly feel the breathtaking height. Walking on the longest spiral stairs, you will feel that you are walking on the cobweb. Come here, your childhood dream of being a "Spider Man" will come true. At night, your way is illuminated, because of the constantly shifting light show of Canton Tower. During a clear day, you will have the best views of the Pearl River.



Canton Tower Sky Drop

Canton Tower Sky Drop, with the height of 455 meters, is the world's highest sky drop game. There are two kinds of mega drop on the tower, by which you could enjoy the traditional way of 'sitting' and the novel way of 'jumping'. The standing jump vehicle on the east-facing side of the mast sits four, as does the standard sitting jump vehicle facing west. The lift speed (upwards) is 3.7 m/s (11.28 ft/s), while the free fall speed is 16 m/s (48.77 ft/s).

In 2012, it is listed in the Guinness World Records with the name of "Highest Thrill Ride" and is the first and the only one who gets this fame. If you are thrill-seeker, you could try to play this game. Don't forget to smile while experience it, haha.

A CLOSER LOOK THE CANTON TOWER



Canton Tower Bubble Tram

"If you thought the London Eye was a stomach-churning experience, then look away now".

The Daily Mail's saying gave a perfect description of Canton Tower Bubble Tram. Canton Tower Bubble Tram, with the height of 460 meters, is the world's highest Ferris wheel, which was put into use in 2011. Unlike other Ferris wheels, it has a 15-degree incline and can resist 8-magnitude earthquakes and Beaufort scale 12 typhoons. Although it's described as a Ferris, its passenger cars are not suspended from the rim of a wheel in the traditional fashion and the track is horizontal.

The Ferris wheel has 16 transparent 'crystal' pods taking about 20 minutes to go round the elliptical track constructed around the edge of the tower's roof.

Every capsule can hold 4 to 6 passengers. Tourists could have the overall view of the whole city from any direction. Experiencing the bubbletram is not the only choice, as you can also walk or sit on the steps near the tram, which is called "Outdoor Observation Deck at 460m".

You might see some people who are taking beautiful wedding photos here.

