

Tall Buildings in Numbers

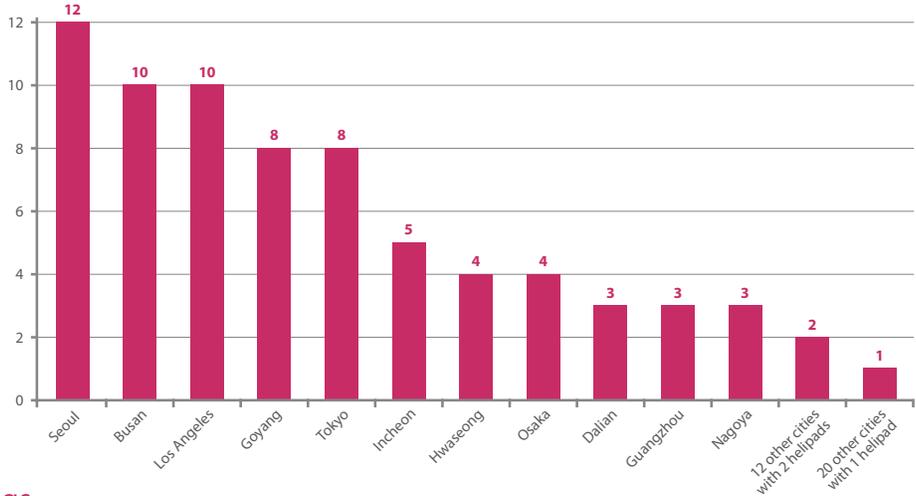
Highest Helipads

The question posed in our inaugural "Ask a CTBUH Expert" feature ("Helipads as a Tall Building Evacuation Tool?" See page 54) prompted us to consider how helipads are used on skyscrapers, and which are the highest in the world. The results were somewhat surprising, as displayed here. One hundred and fourteen buildings over 200 meters have helipads globally, across 13 countries.

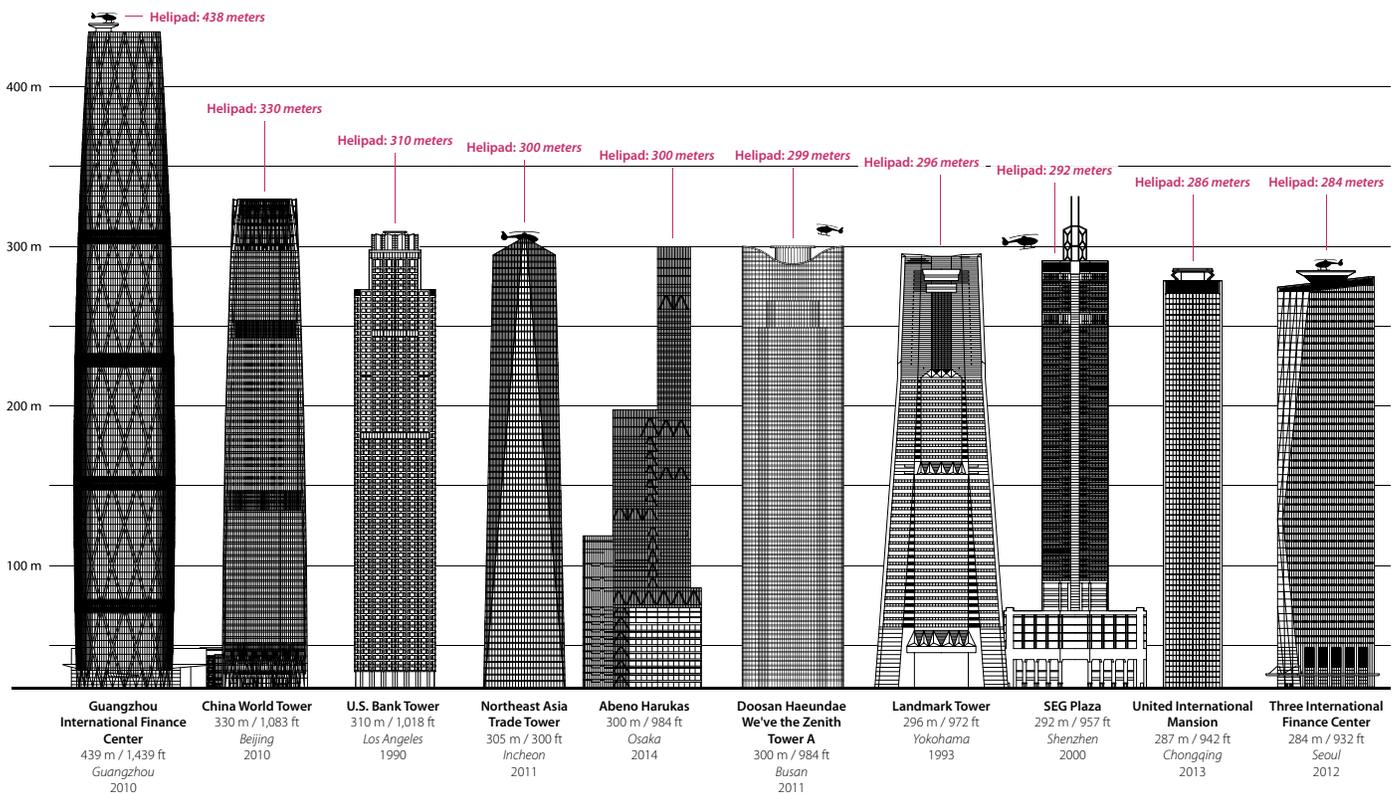
Note: All data as of May 2014

200 m+ Buildings with Helipads by City

Cities with the most 200 m+ buildings with helipads: 43 cities overall



Ten Highest Helipads on Tall Buildings



The highest helipad in the world is 6,400 meters above sea level; it is on top of the Siachen Glacier, located in the Himalaya Mountains



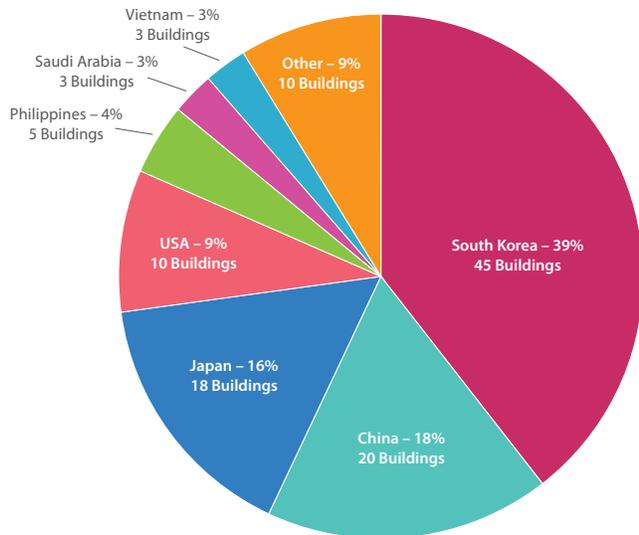
In 2005, Andre Agassi and Roger Federer squared off in a tennis match on the helipad at the Burj Al Arab, 210 meters in the air



A portion of the Los Angeles Municipal Code, written in 1974, states that all tall buildings must have a rooftop emergency helicopter landing facility

200 m+ Buildings with Helipads by Country

Figures represent each country's percentage of the global total of 114 tall buildings, of 200 meters' height or taller, with helipads

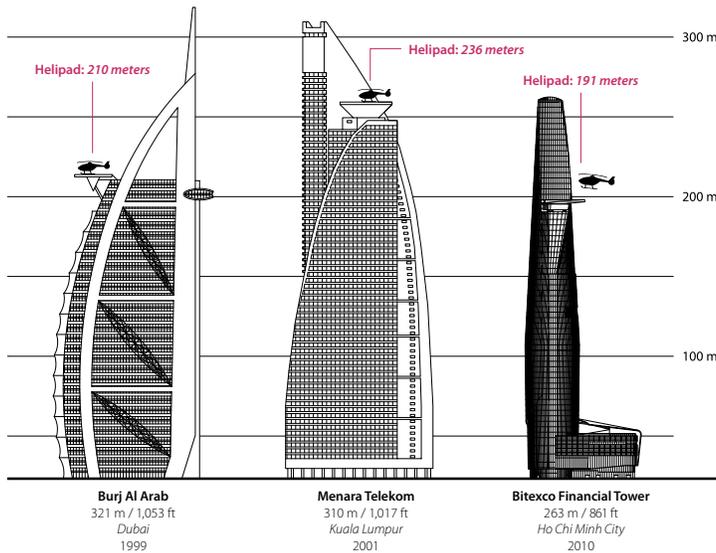


A total number of 13 countries have 200 m+ buildings with helipads

Total number of 200 m+ buildings with helipads = 114. Countries represented in the "Other Countries" slice each have two or less 200 m+ building with a helipad; they are: Malaysia (2), Mexico (2), Thailand (2), United Arab Emirates (2), Panama City (1), Qatar (1)

Cantilevered Helipads

Cantilevered helipads allow the architect to design the building without a flat roof. Here are three examples of well-known cantilevered helipads.



The original plan for the under-construction Kingdom Tower included a 630-meter high helipad, to be used by the Level 157 penthouse owners; it was converted into a sky terrace after it was deemed unsafe

The Met Life Building, New York City, used to offer helicopter service to John F. Kennedy International Airport, a 7-to-10-minute flight from the rooftop helipad

The World's 70 Highest Helipads on Tall Buildings

Ranked by Helipad Height

Italic figures indicate a helipad height that is different from the building height

No.	Building	City	Helipad Height (m)	Building Height (m)	Completion
1	Guangzhou International Finance Center	Guangzhou	438	439	2010
2	China World Tower	Beijing	330	330	2010
3	U.S. Bank Tower	Los Angeles	310	310	1990
=4	Northeast Asia Trade Tower	Incheon	300	305	2011
=4	Abeno Harukas	Osaka	300	300	2014
6	Doosan Haeundae We've the Zenith Tower A	Busan	299	300	2011
7	Landmark Tower	Yokohama	296	296	1993
8	SEG Plaza	Shenzhen	292	292	2000
9	United International Mansion	Chongqing	287	287	2013
10	Three International Finance Center	Seoul	284	284	2012
11	Doosan Haeundae We've the Zenith Tower B	Busan	282	282	2011
=12	WBC The Palace 2	Busan	265	265	2011
=12	WBC The Palace 1	Busan	265	265	2011
=12	Doosan Haeundae We've the Zenith Tower C	Busan	265	265	2011
=15	Tower Palace Three, Tower G	Seoul	262	264	2004
=15	Aon Center	Los Angeles	262	262	1974
17	Yuyang Tower	Fuzhou	260	260	2014
=18	Rinku Gate Tower	Izumisano	256	256	1996
=18	Osaka World Trade Center	Osaka	256	256	1995
=18	Mokdong Hyperion Tower A	Seoul	256	256	2003
21	Haeundae I Park Marina Tower 2	Busan	255	292	2011
22	Nation Towers Residential Lofts	Abu Dhabi	254	268	2012
=23	China Merchants Bank Tower	Shenzhen	249	249	2001
=23	Hwaseong Dongtan Metapolis 101	Hwaseong	249	249	2010
25	KLI 63 Building	Seoul	248	250	1985
=26	Hwaseong Dongtan Metapolis 104	Hwaseong	247	247	2010
=26	Midland Square	Nagoya	247	247	2007
28	JR Central Office Tower	Nagoya	245	245	2000
=29	Tokyo Metropolitan Government Building	Tokyo	243	243	1991
=29	Dalian Futures Square 2	Dalian	243	243	2010
=29	Dalian Futures Square 1	Dalian	243	243	2010
32	Philippine Bank of Communications	Makati	241	259	2000
33	Bucheon Kumho Richensia Tower 1	Bucheon	240	241	2012
34	Mokdong Hyperion Tower B	Seoul	239	239	2003
=35	Nanjing Jinling Hotel Phase II	Nanjing	238	242	2014
=35	Vista Tower	Kuala Lumpur	238	238	1994
=35	Roppongi Hills Mori Tower	Tokyo	238	238	2003
=38	The First World Tower 4	Incheon	237	237	2009
=38	The First World Tower 3	Incheon	237	237	2009
=38	The First World Tower 2	Incheon	237	237	2009
=38	The First World Tower 1	Incheon	237	237	2009
=42	Menara Telekom	Kuala Lumpur	236	310	2001
=42	Haeundae I Park Marina Tower 1	Busan	236	273	2011
=44	Opera City Tower	Tokyo	234	234	1997
=44	CCTV Headquarters	Beijing	234	234	2012
46	Tower Palace One, Tower B	Seoul	233	234	2002
=47	Abraj Al Bait Qibla Tower	Mecca	232	232	2012
=47	Abraj Al Bait Maqam Tower	Mecca	232	232	2012
49	Sankee Plaza	Nanning	231	231	2014
=50	Tanhyun Doosan We've the Zenith 105	Goyang	230	230	2013
=50	Megapolis Torre 1	Panama	230	230	2011
52	Two California Plaza	Los Angeles	229	229	1992
=53	Gas Company Tower	Los Angeles	228	228	1991
=53	Trade Tower	Seoul	228	228	1988
55	Al Faisal Tower	Doha	227	227	2008
56	JR Central Hotel Tower	Nagoya	226	226	2000
=57	Suseong Leader's View Tower B	Daegu	225	225	2010
=57	Suseong Leader's View Tower A	Daegu	225	225	2010
=59	Diwang International Commerce Center	Nanning	224	276	2006
=59	Tanhyun Doosan We've the Zenith 104	Goyang	224	224	2013
=59	Bank Of America Plaza	Los Angeles	224	224	1975
=59	Hwaseong Dongtan Metapolis 102	Hwaseong	224	224	2010
63	Torre Mayor	Mexico City	222	225	2003
=64	777 Tower	Los Angeles	221	221	1991
=64	Jewelry Trade Center	Bangkok	221	221	1996
66	Wells Fargo Tower	Los Angeles	220	220	1983
67	Figueroa at Wilshire	Los Angeles	219	219	1989
68	Shiodome City Center	Tokyo	216	216	2003
=69	Tanhyun Doosan We've the Zenith 106	Goyang	215	215	2013
=69	Tanhyun Doosan We've the Zenith 103	Goyang	215	215	2013