

Title: **Tall Buildings in Numbers: World's Tallest Offset-Core Buildings**

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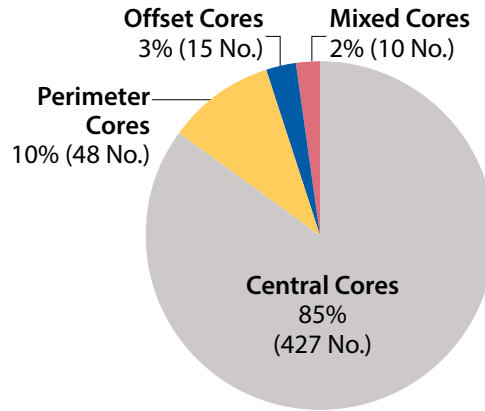
Tall Buildings in Numbers

World's Tallest Offset-Core Buildings

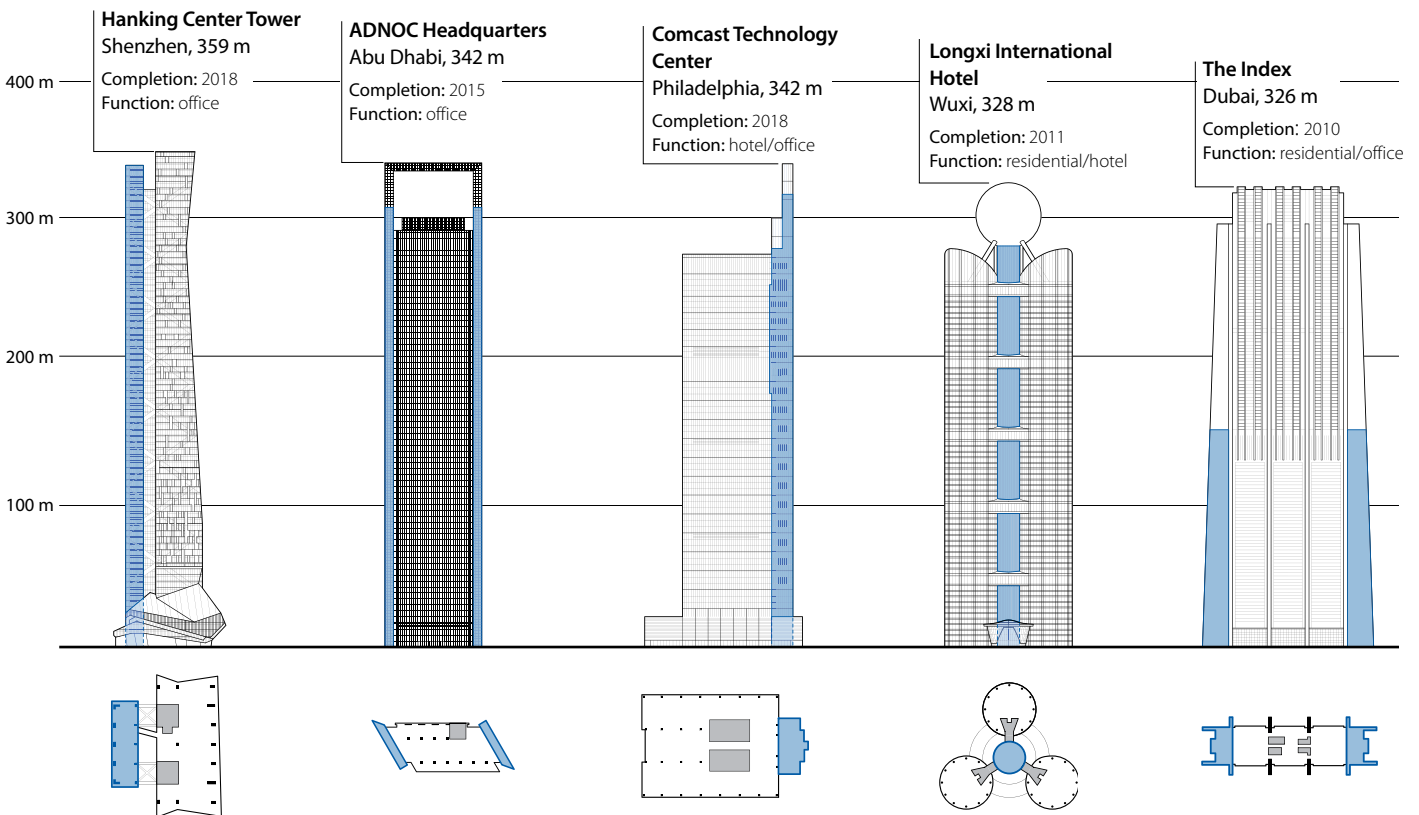
There has long been an interest in separating the service cores of tall buildings from the main programmed areas – to create more column-free, easily-configured floor space; to symbolically express “service” and “served” portions of the building; to limit nuisances caused by elevators, trash chutes, etc. The practice is not widespread in buildings over 250 meters, but interest in sustainability and creating unique spaces in tall buildings has begun to change that, resulting in some key divergences from the standard central-core model of the past decade. This study, a companion to *Offset Cores: Trends, Drivers and Frequency in Tall Buildings* (p. 36) examines the tallest buildings with offset cores.

» See the full list of the [Tallest 500 Buildings and their core locations at ctbuh.org/offset-cores](http://ctbuh.org/offset-cores)

Core Location of Tallest 500 Buildings



Tallest 10 Buildings with Offset Cores



Chase Tower, Chicago (264.8 meters, 1969) is the oldest offset-core building over 250 meters.

44%

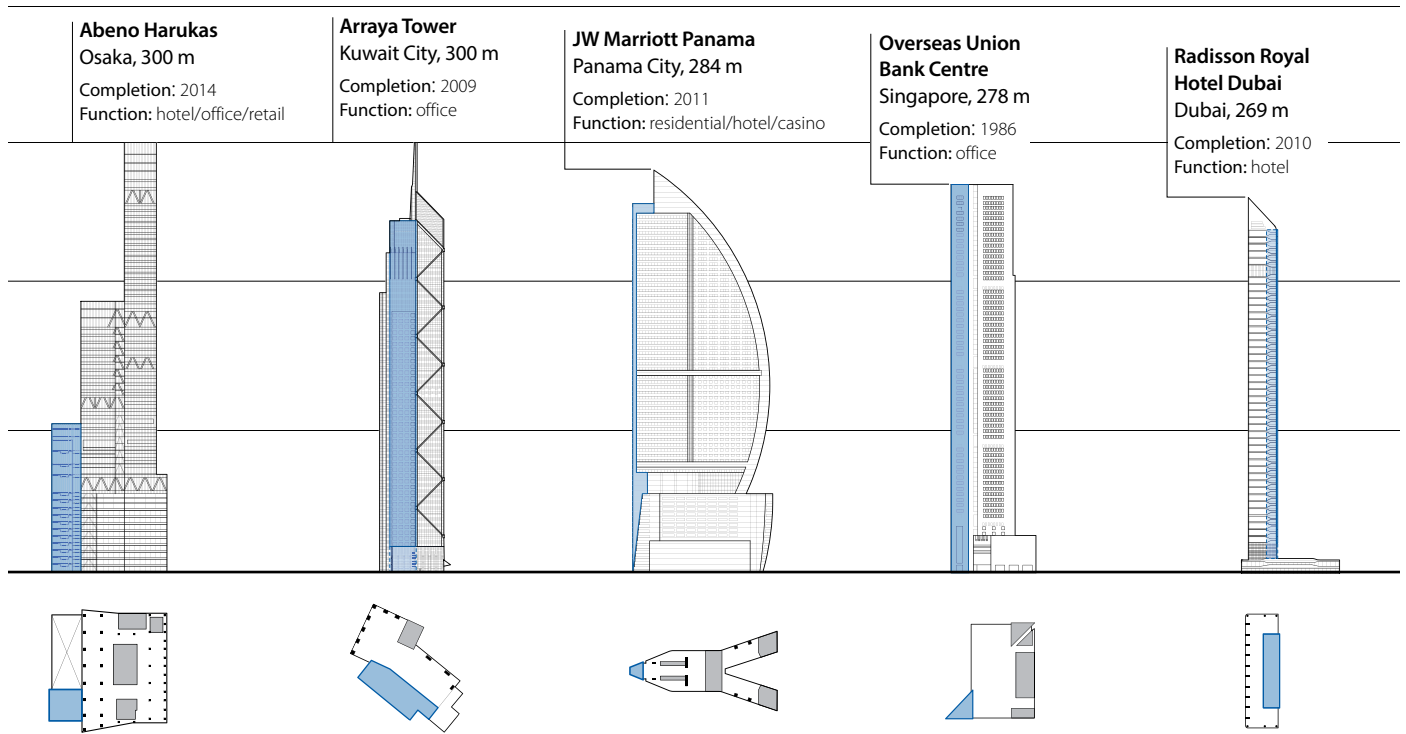
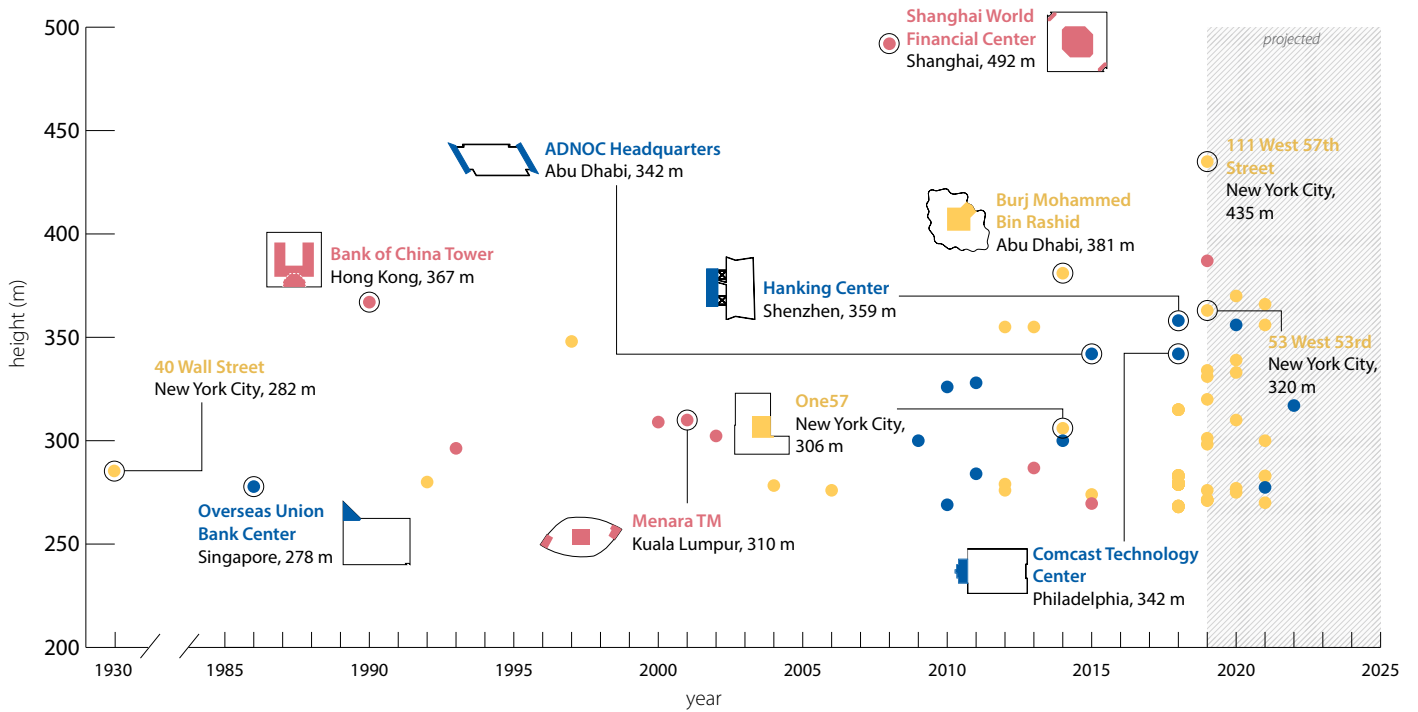
44 percent of all off-set core buildings (8 No.) were **built in 2010 or later.**

Inland Steel Building, Chicago (101 meters, 1958) was an early offset-core success, yielding clear-span floor plates of 18 by 54 meters.

Core Location of the Tallest 500 Buildings by Height and Completion Date

includes buildings that are currently under construction and excludes buildings with central cores

● perimeter core ● offset core ● mixed core



Many tall buildings, such as **Salesforce Tower**, London, deploy offset cores as shading devices.

10m

Hanking Center Tower, Shenzhen, is the "most-offset" core building above 250 meters' height; with the core 10 meters from the perimeter.

Balfour and Trellick Towers, London (84 m, 1967; 98 m, 1972), have all services, including laundry chutes, in offset cores, connected by skybridges to residential units. Both are landmarked.