

# VERTICAL HUTONG 垂直胡同





VERTICAL HUTONG

Conceived around a series of cascading shared walls, ventilated courtyards, stepped terraces, and wind towers, these new vertical organizations re-connect urban living to nature, suggesting how we can live in close proximity today, and can continue to do so sustainably for generations to come.

In contrast to the dominate urban typology in China of isolated, monotonous towers disconnected from nature, this project re-conceives high-rise urban living by organizing each apartment tower around an aggregation of sustainable techniques sampled from different climates, cultures, and contexts: from shared walls and ventilated courtyards, to stepped terraces and wind towers. Each tower deploys a different mix of sustainable forms depending on its specific climate and context: from a hot-humid climate, the tower is shaped by ventilated courtyards and wind towers; to a hot-arid climate, the tower is shaped by shared walls and stepped terraces. Exterior gardens are introduced in every apartment. Individually, each garden stimulates natural ventilation, passive heating and cooling in each apartment. While collectively, the vertical gardens stimulate natural ventilation, passive heating and cooling are at the larger neighborhood scale.

Externally, each floorplate is expanded by 30% to accommodate exterior gardens. Internally, 30% more living space is created, because no room is isolated and compartmentalized; every room becomes a living space during the day and a sleeping space at night. Each apartment's spaces flow in a continuous loop around a series of separate bathroom and storage cores that flock and disperse to allow the rooms to be experienced as a single loft or as a series of individual rooms.

垂直 胡同

這些新的垂直組織圍繞著一系列層疊的牆，通風的庭院，階梯式階梯和風塔，重新連接了城市生活與自然，為我們如何生活在人們近距離生活的今天，這種新的建築類型也將繼續造福後代。

與在中國孤立，單調的塔樓公寓與自然隔絕的主要城市類型學相反，這個項目重新構思高層城市生活，通過組織每個公寓塔，並且運用從不同的氣候，文化的建築類型中學習到的可持續建築類型與語言：共用牆和通風庭院，台階梯台和風塔。每個塔根據其具體的氣候和背景，部署不同的可持續形式的混合模式：從嚴熱潮濕的氣候，塔通過通風的庭院和風塔調節微氣候；到熱的干旱的氣候，塔由共同的牆壁和階梯式大陽台塑造。每間公寓都設有外部花園。每個花園都促進了自然通風，每個公寓自然冷熱調節。雖然是集合性住宅，垂直的花園，增強的自然通風，被動節能措施等也在更大的城市社區額尺度上起作用。

在外部，每個樓板擴大30%面積以容納外部花園。在內部，多創造了30%的生活空間，因為沒有隔離和分隔的房間；每個房間都在白天成為的生活空間和而在夜間成為睡眠空間。每間公寓的空間都是一個自由屏幕圍繞著一系列獨立的浴室和存儲核心，這些浴室和存儲核心集群和分散，讓客房體驗為單獨的閣樓空間或一系列獨立的房間。

PROJECT

30 floor residential tower

SIZE

9,000 m<sup>2</sup> (96,875 ft<sup>2</sup>)

CLIENT

Confidential

LOCATION

Various, China

STATUS

Concept

KEY PERSON

Dana AlMathkoor, Andrew Heid,  
Li Jin, Naifei Liu, Gaby San Roman  
Bustinza, Trendelina Salihu

項目

30層住宅樓

規模

9,000平方米 (96,875平方英尺)

客戶

保密

位置

多地，中國

狀態

概念

關鍵人物

Dana AlMathkoor · Andrew  
Heid · Li Jin · Naifei Liu · Gaby  
San Roman Bustinza · Trendelina  
Salihu



1. View from southeast. 2. Aerial view. 1. 從東南看。 2. 鳥瞰圖。