



# PROJECT - 07

## PAN PACIFIC ORCHARD

Mixed-Use Hospitality Development

## Biophilic Design Biodiversity Integration

**Architects:**

WOHA Architects

**Location:**

Claymore Road, Singapore

**Area:**

~100,000 m<sup>2</sup>

**Year of Completion**

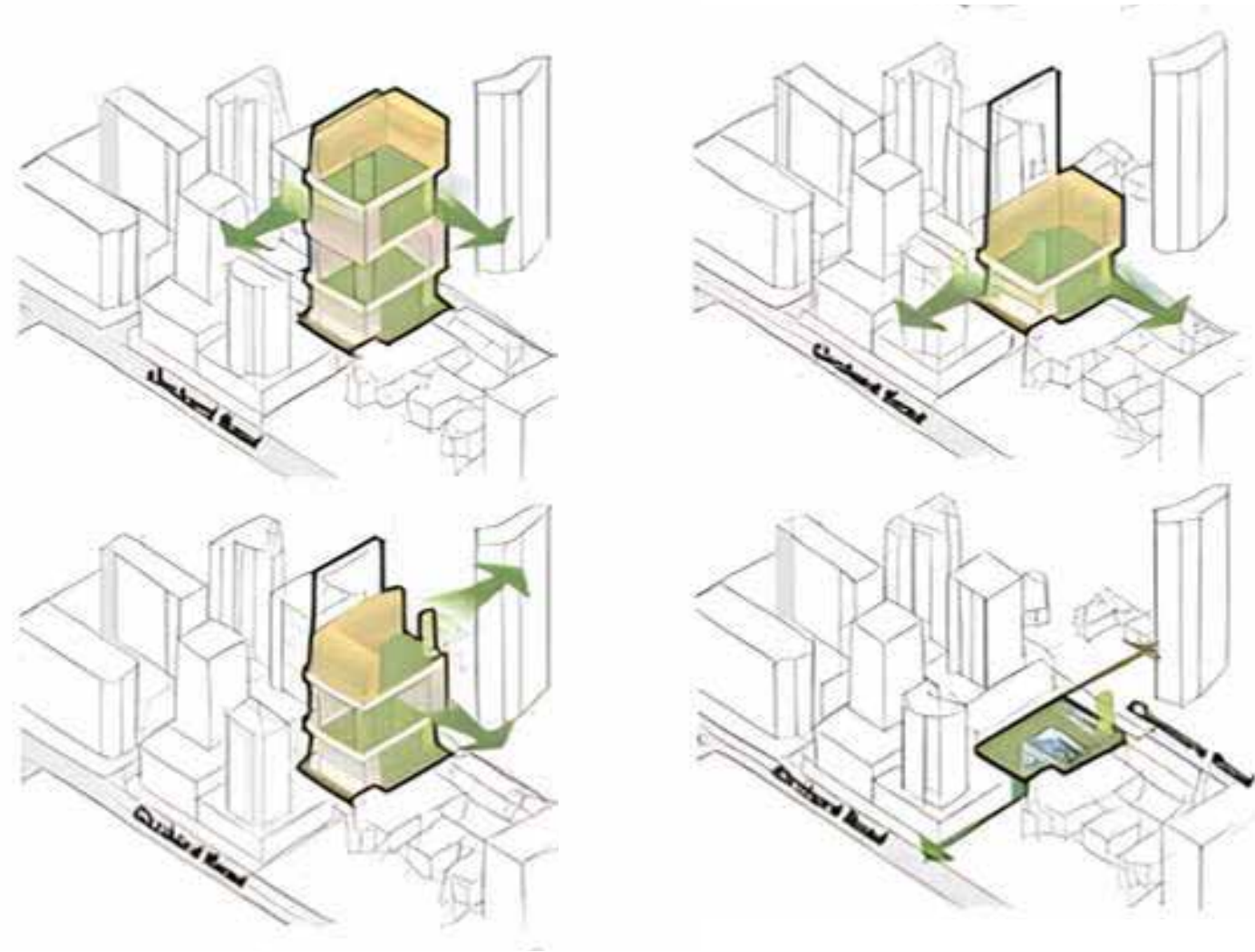
2023

07

Pan Pacific Orchard by WOHA Architects is a landmark hospitality development in Singapore that redefines sustainable luxury through the integration of nature, architecture, and urban density. Located along the iconic Orchard Road corridor, the project explores how high-rise buildings can function as ecological infrastructure while creating meaningful social and environmental experiences.

Conceived as a **“hotel-in-nature,”** the development challenges the conventional glass tower typology by introducing a vertically layered tropical ecosystem. The architecture is organized into four distinct open-air strata — Forest, Beach, Garden, and Cloud — each offering immersive communal landscapes integrated with hospitality functions. These sky terraces create a sequence of elevated public environments that blur the boundaries between building and landscape.

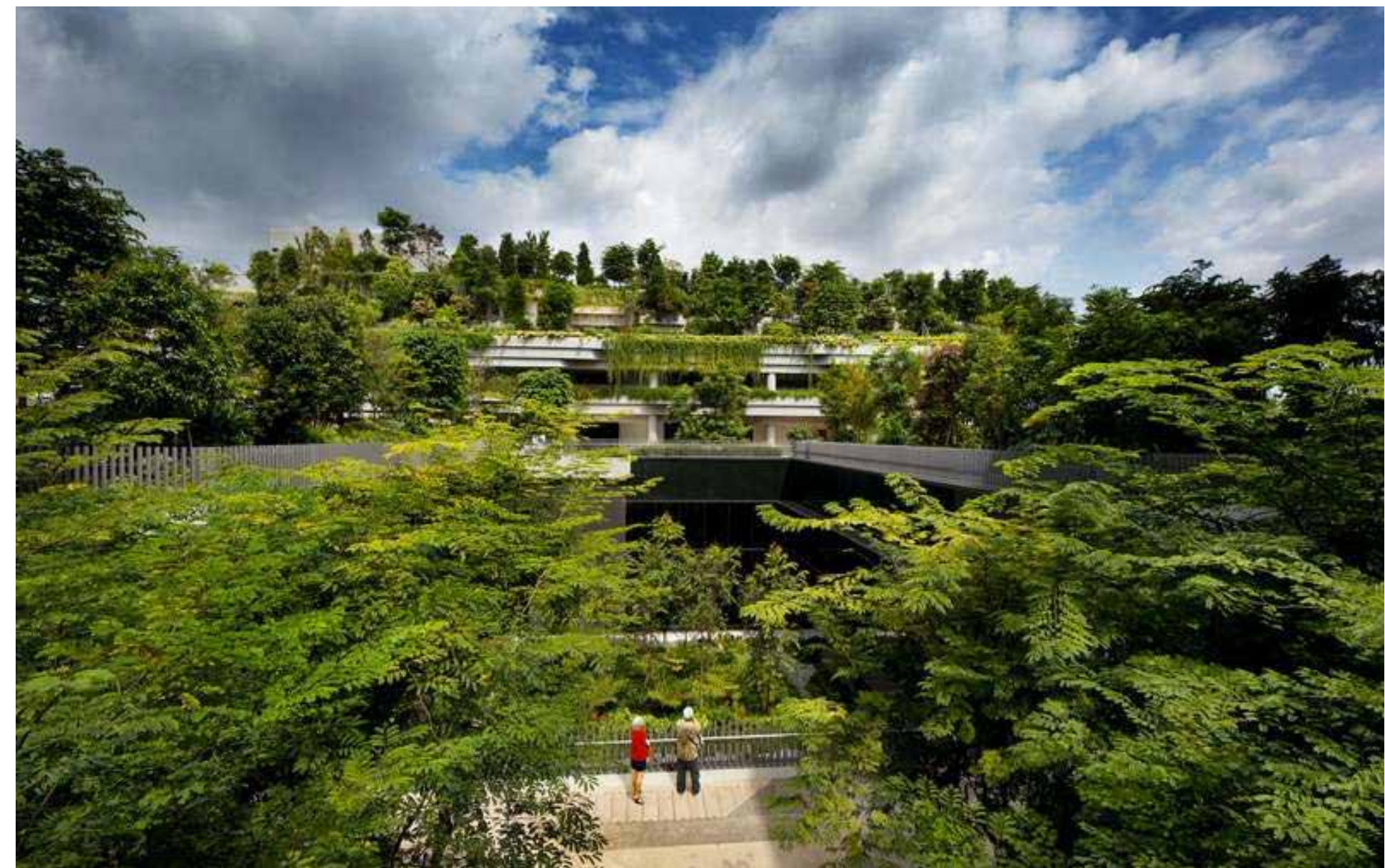




The project responds directly to Singapore's hot-humid tropical climate through passive environmental strategies and extensive biophilic integration. Large open-air voids improve natural ventilation and daylight penetration while reducing dependence on mechanically conditioned spaces. Deep overhangs, planted terraces, water bodies, and shaded outdoor spaces mitigate solar heat gain and enhance thermal comfort.



One of the project's defining features is its extraordinary integration of greenery within a dense urban site. The development incorporates lush sky gardens, cascading vegetation, reflective pools, and native planting systems that collectively contribute to biodiversity enhancement and urban heat reduction. The landscape strategy transforms the tower into a vertical tropical habitat that improves both environmental performance and occupant well-being.



Pan Pacific Orchard also demonstrates how hospitality architecture can contribute to broader urban sustainability goals. Instead of functioning as an isolated luxury enclave, the building creates visual openness and ecological continuity within the city. The stacked communal terraces encourage social interaction, recreation, and wellness while reconnecting users with nature in a highly urbanized context.

The project integrates multiple sustainable systems including rainwater harvesting, energy-efficient façade strategies, water-sensitive landscaping, and low-energy cooling approaches. Open-air circulation spaces and naturally ventilated communal zones further reduce operational energy demand. These strategies collectively support a lower environmental footprint while enhancing user comfort and spatial quality.





Architecturally, the building balances monumental urban presence with ecological softness. Its layered terraces, dramatic voids, and extensive vegetation redefine the image of the contemporary skyscraper as a living environmental system rather than a sealed object. The project demonstrates that luxury, density, and sustainability can coexist within a single integrated framework.



Pan Pacific Orchard has emerged as a global benchmark for climate-responsive hospitality and vertical biophilic urbanism. The project shows how architecture can simultaneously support environmental resilience, human well-being, and urban ecological regeneration.

Ultimately, the development presents a compelling model for future cities where high-density urban growth is not separated from nature, but deeply intertwined with it through integrated design, ecological thinking, and socially engaging public spaces.