

Northlake Future Neighbourhood Plan.

Innovations towards Sustainable Growth of Park City

Urban Design Innovations for Future Neighbourhood

1 Highlight: **Green Networks**

Networks of greenways, parks, and wetlands that are preserved and integrated into the future neighbourhood and nurture a lively mix of uses

2 Highlight: **Sustainability**

A new standard of sustainability that creates a blueprint for the transportation, buildings, housing, energy utilisation and other dimensions of truly eco-friendly communities.

3 Highlight: **Community Circle**

A 15-minute community life circle to prompt a low-carbon lifestyle by providing essential, convenient, and affordable services and public spaces within the walking distance.

4 Highlight: **Intelligent Infrastructure**

Embedded smart facilities that are applied to tackle urban challenges and secure the responsible collection and use of data in cities.

Planning and Management Strategies to Integrate Innovations into the Physical Environment

1 Highlight: **Industrial Ecology**

An ecosystem of panda-themed industries surrounding the Northlake that consists of four industrial innovative spaces and four ancillary service spaces.

2 Highlight: **Development Model**

Planning strategies compounding mixed land uses and property rights that encourage urban planners, architects, enterprises, public administrations, and residents to participate jointly in the decision-making phases.

3 Highlight: **Event-Driven Operation**

A people-oriented model of community operation that activates the future neighbourhood with cultural and public events and differs from the conventional efficiency-oriented governance.



BACKGROUND



Chengdu, Sichuan Province of China, is constructing the Tianfu Greenway, a large-scale public green space surrounding the urban area. Eco-friendly communities have been planned along the Greenway since its completion, one representative case of which is the 'Northlake Future Neighbourhood' project.

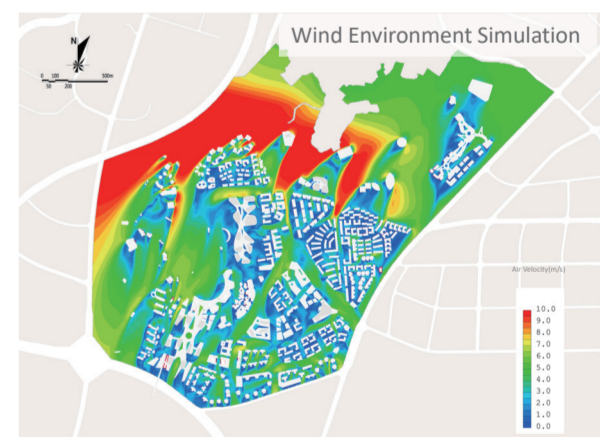


The project is located in the north-eastern part of the Tianfu Greenway, which serves as a critical functional area in the suburbs of Chengdu. Chengdu Research Base of Giant Panda Breeding is located next to the site.

TIME LINE

2018.02	2021.4	2021.7	2021.9
Chengdu has developed the concept of a 'park city'	Northlake Future Neighbourhood Plan launch planning and design	Public Participation in the Questionnaire Study for Northlake Future Neighbourhood Plan	Development of a guide book to building the Northlake Future Neighbourhood
2025	2022.10	2022.1	2021.12
Northlake Future Neighbourhood Project completed	Northlake project starts construction as first demonstration project	Northlake project passes urban planning experts review meeting	Chengdu Greenway is fully operational

GREEN NETWORKS



Compounding the main green belt and the green space surrounding the lake. The networked green corridor has increased greenery penetration and landscape depth, connected the main green spaces, diverted water and wind flows, and created a "Cooling City" by incorporating the water-green networks and the city.

Implementing a new allocation model of the ecological resources. Nearly 300 hectares of green space have been planned, accounting for 53.8% of the total area.



Coordinating the spatial structure of 'one bay, one garden, three ports, five districts' at the planning phase.

The three-kilometre waterfront ring road around the Northlake is planned to include the Performing Arts Centre, the Future Centre and other cultural buildings around the lake. A large area of bamboo groves has been constructed by combining the nearby ecological park. Between the lake and the ecological park, three industrial areas and a number of residences will be placed.