

IFLA ASIA-PAC LA Awards 2023

Award Categories – Parks and Open space

PROJECT BINDER

**Jinmao Future Science City Fairy Bird Paradise in Jinhua, Zhejiang**

Project Name : Jinmao Future Science City Fairy Bird Paradise in Jinhua, Zhejiang  
Project Address : By the Wuyi River in Jinhua, Zhejiang, China  
Area (sq.m) : 3,200 m<sup>2</sup>  
Year of Completion : June,2021

## Project Statement

It is a 3,200 m<sup>2</sup> urban public child-friendly natural amusement park on the bank of Wuyi River. The river enjoys unique natural scenery, such as peculiar Shuanglong Cave, beautiful terraces and gracefully flying egrets that have returned after successful ecological environmental management. Specifically, the project site is located in the demonstration area at the north of Dongmei Park, with the exhibition hall of Jinmao Future Science City located to its south. As the most visited portal in Dongmei Project Region, the site's terrain was higher in the west and lower in the east, with an elevation difference of about 2m. Consequently, visitors were unable to see the river scenery from the riverside in the past. There was no landmark scenic spot or children's amusement space.

Inspired by the native egrets, the designers created a "fairy bird" IP image for the main amusement facility. Based on a specific engaging picture-book storyline about the "fairy bird", the whole waterfront site was further divided and designed into five major functional areas across three terracing parts. It built a fantastic natural exploration space for children to play here with an immersive experience. It also provides visitors with a joyful and relaxing waterfront public space.



# Project Narrative

The overall space design for this project, including the design of amusement facilities, scenario sculptures, wayfinding signage and other design elements, was themed by "Little Birds Flying to the Future", inspired by the unique native karst landform and flying egrets on the river. It presents a fantasy adventure story of a little bird who dreams of faraway places and flies against the wind from the terraces to venture into winding karst caves, plays with other birds on the shallow waters where migratory birds rest, and finally flies into the clouds with its unremitting efforts. This storyline links five major functional areas in three terraced parts: "Little Bird's Flight" - the terraced-top space featuring an amusement facility shaped like the little bird IP; "Terraced Dreamland" - a terraced space for visitors to take a stroll and for children to play cave climbing games; and three others in the sunken space: "Cave Adventure" - a karst-cave featured area with rich cave climbing experiences; "Feather Shallows" - an interactive paddling pool area; "Jumping in the Clouds" - a high-capacity wooden trampoline area. These three interactive terraced parts are designed to help children improve their intelligence and physical strength while enjoying various forms of amusement, as well as to stimulate their curiosity about the native habitat.

In accordance with the existing landform, the designers divided the project site into three terraced parts as mentioned: terraced-top space, terraced space and sunken space. The terraced-top space, called "Little Bird's Flight", was designed to feature an amusement facility based on the "Fairy Bird" IP, shaped like a little bird. To enhance the interaction between children and this amusement facility, an entrance with climbing equipment was set at one end of the Fairy Bird's wings for children to climb in and out. The Fairy Bird's eyes were designed as windows for visitors to enjoy the scenic view of Wuyi River, and the telescopes were placed nearby for observing the egrets soaring by the riverbank. This main amusement facility serves as the park's landmark, strengthening its IP attributes and attracting more visitors to spend their leisure time here. Additionally, the facility is set on the terraced-top space to cultivate children's spirit of overcoming difficulties. The imagery of the "flying little bird" also symbolizes that the renovation of Dongmei Park will be the starting point for rebuilding the entire region and leading the construction of a low-carbon and ecological new city space here.



# Partition

The terraced space, called "Terraced Dreamland", creates an outdoor entertainment area with terraced landscaping features based on the existing gentle slope terrain. The design of this space well combines hard paving, lawns and shade trees to form a layered and staggered leisure area for seating, resting, parent-child interaction and ground games. It is primarily serves as a green space that provides popular science education and related interactive activities aimed at protecting local egret habitat.

The sunken space comprises three other functional areas. The "Cave Adventure" area features karst caves designed specifically for children, offering a rich and enjoyable climbing experience. As they enter the caves, children can play hide-and-seek and search for the exit using sound and light. The caves themselves can serve as play equipment for children to interact with each other and make friends. This area is also an excellent choice for parent-child interaction. In addition, slides and climbing nets are installed to provide children with various outdoor activities, taking full advantage of the existing terrain.

The "Feather Shallows" area is built with an interactive shallow paddling poolwith water level reaching children's ankle height, ensuring their safety while also conforms to the name "Shallows". A variety of amusement facilities are installed in the pool, such as foot-powered fountains, water-spraying IP devices, balance beams, etc., providing children with diverse enjoyable and immersive experiences. This area is well integrated into the whole park landscape to create a piece of natural and ecological science popularization land for parent-child recreation activities.

In the "Jumping in the Clouds" area, a high-capacity wooden trampoline has been installed as the main amusement facility for children's physical growth and mental development. Children can experience the joy of jumping on the cloud and the feeling of bird-flight as they freely jump on it. On the south side of this area, there are other challenging wooden amusement facilities also for children's physical and mental growth, such as wooden-stake steps and the rope bridge. The innovative combination of natural materials, wood and rope, breaks the conventional amusement-facility paradigm, allowing children to experience the fun of the facilities while also to enjoy the affinity of nature.



# Design principles

The design and construction of this project complied with the following principles:

- A. Child-oriented Principle - The project was designed to create a natural vibrant outdoor amusement park based on children's physical and mental development. The design took into account the site's existing landform and natural attributes. The designers also considered children's behavioral attributes without any influence from adult experientialism, resulting in an immersive experiential scenario space filled with a variety of amusement facilities. The park was built as an adventure paradise for children to spontaneously unleash their imaginations and develop them while playing.
- B. Adaptability-oriented Principle - This project aimed to adapt the design to the existing landform as much as possible, without requiring extensive excavation, in order to achieve an internal balance of earthworks. Existing resources on the site were fully utilized to extract relevant elements and themes, allowing the project to be well integrated into the surrounding ecology and topography. Materials for retaining walls and timber piles were sourced locally from nearby mountains, and the amusement facilities were constructed with a native wooden texture to harmonize with the natural environment. To avoid a plastic feel, permeable tree bark and sand were used instead. This achieves low-carbon environmental protection and sustainable development for the project, while providing children with an eco-friendly site to explore and interact with the nature.
- C. Safety-oriented Principle - The project team conducted safety testing on the amusement facilities before putting them into service. This helps to ensure that all the facilities are free of safety hazards and that the facility dimensions comply with ergonomic standards for children. Non-toxic, non-thorny and non-fluffy plants were carefully selected on the site to ensure children's safety as well. Additionally, plants with interesting flowers, fruits and leaves were strategically planted to attract children and stimulate their curiosity.



# Social Significance

In summary, this project has created a delightful waterfront leisure space for the local community to enjoy ecological experience in the central business district. The Fairy Bird Paradise has been constructed as a new landmark for the local parent-child interactions. The IP image of the "Fairy Bird" and its adventure story have deeply touched the local children, encouraging them to explore the world and bravely overcome difficulties. Moreover, the Fairy Bird Paradise effectively incorporates various popular science education based on the surrounding natural elements that children play with.

Upon completion, the Fairy Bird Paradise quickly became a popular amusement park and public space for the local community. Children of all ages are immersed in the world of Fairy Bird, exploring the mysteries of nature, while nearby residents stroll and chat, enjoying their leisure time with relaxation and picnics.





Fairy Bird Paradise is a child-friendly urban public natural paradise with an area of 3,200m<sup>2</sup>.



Nestling in the hilly region of Central Zhejiang Basin, Wuyi River enjoys unique natural scenery, for instance, Shuanglong Cave, beautiful terraces and gracefully flying egrets.





1 Little Bird's Flight

3 Climbing area

5 Feather Shallows

7 Log expansion

9 Toilet

2 Cave Adventure

4 Rope climbing

6 Terraced Dreamland

8 high-capacity wooden



# Partition - Story line placement

## 2. Terraced Dreamland

Sailing Against the Wind from Beautiful Terraces.



## 5. Jumping in the Clouds

He overcame numerous difficulties and flew towards the soft clouds.



## 1. Little Bird's Flight

A little bird who dreams of faraway places.



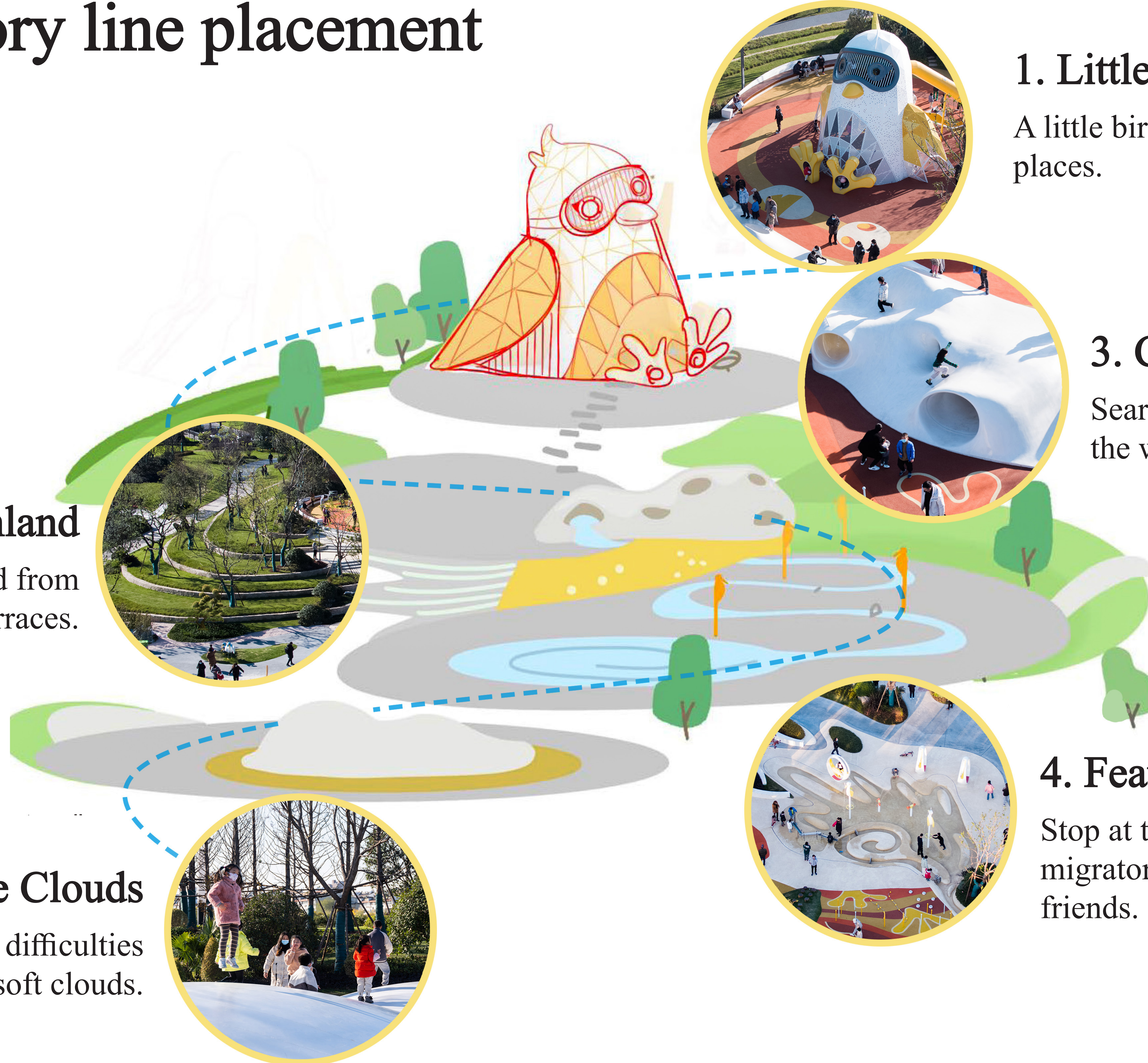
## 3. Cave Adventure

Searching for the exit of light in the winding karst caves.



## 4. Feather Shallows

Stop at the shallow beach where migratory birds rest and meet new friends.







An amusement facility based on the "Fairy Bird" IP, shaped like a little bird.

The design of this space well combines hard paving, lawns and shade trees to form a layered and staggered leisure area for seating and resting.

### 1. Little Bird's Flight

### 3. Cave Adventure

Slides and climbing nets are installed to provide children with various outdoor activities, taking full advantage of the existing terrain.

### 4. Feather Shallows

A variety of amusement facilities are installed in the pool, such as foot-powered fountains, water-spraying IP devices, balance beams, etc.

### 2. Terraced Dreamland

### 5. Jumping in the Clouds

The main equipment in this area is "Jumping Cloud", and there are log expansion equipment such as wooden pile steps and rope single wooden bridges on the south side.

In accordance with the existing landform, the designers divided the project site into three terraced parts.





# Little Bird's Flight

A large-scale IP device with rich gameplay called "Elf Bird".The imagery of the "flying little bird" also symbolizes that the renovation of Dongmei Park will be the starting point for rebuilding the entire region and leading the construction of a low-carbon and ecological new city space here.





## Terraced Dreamland

The design of this space well combines hard paving, lawns and shade trees to form a layered and staggered leisure area for seating and resting.





The "Cave Adventure" area features karst caves designed specifically for children, offering a rich and enjoyable climbing experience. The caves themselves can serve as play equipment for children to interact with each other and make friends.





## Feather Shallows

A variety of amusement facilities are installed in the pool, such as foot-powered fountains, water-spraying IP devices, balance beams, etc., providing children with diverse enjoyable and immersive experiences.





## Jumping in the Clouds

This area is mainly equipped with "Jump Cloud" equipment, allowing children to freely jump in the cloud and empathize with the joy of young birds flying towards the cloud. On the south side of this area, there are other challenging wooden amusement facilities .