

Prologue

Pudong is the center of trade and finance and the future of China. We have planned a sharing center, a waterway, and a platform for a shared city system, which means not only a shared program but a city system that can be shared throughout the city. Considering this meaning, we planned the future Pudong which applied the shared system to the whole city.

F Problem and Solution



We have created the concept of tornadoes. Tornadoes represent airflow phenomena (building) that cause winds to flow in the vicinity of the surface (residential area) and winds to blow in relatively high air (commercial areas).

commercial areas

The analysis



ed on the north side

of the site.

Direction & View Commercial areas have a better view than residential areas and are locat-



Process

Region Separation The commercial and residential areas are separate and the location of the building is selected from the center.



Green space There are many green spaces and big parks around the site.



Route It is convenient for people to move from various angles to the center.



Trams, buses and

subways are easily

accessible from the

center of the site.

created betweer

residential and

commercial areas



Street The distance to Pudong is 5 to 10 minutes from the center of the site.

Perspective





was planned to be the center of Although the shared center functions, it also manages and supplements the shared system. It can be easily used by planning a resting place and also serve as a resting place. The building was divided into two groups, and one planned a shared office and a shared house. The other group planned to be able to rent shared goods.



Welfare Center ----

Adding welfare centers for hospitals, senior citizens, disabled people and children will help ensure more welfare passports for citizens and improve the quality of life for citizens.



FSection

Bicycle storage

Waterway and Tram

By installing a waterway in the center of the main road, various traffic problems are solved and trams are installed on both sides of the waterway to help traffic congestion smoothly. The advantage of the tram is that it is easy to use because it reduces air pollution and has excellent accessibility.



Eco friendly energy

Solar panels were installed on the roofs of parking lots, tram stops, platforms and bicycle storage to help the city's overall energy supply. Solar panels are installed and supplied to street lamps and residential areas to help with the sharing system.





Share center

In the picture below, you can see the sun's altitude change at 09:00 in March, Design builders can find and apply fragrance to get optimal sunshine"DesignBuilder" is used to analyze and simulate simulations, including photovoltaic and lighting simulations, to save energy. In addition, maximizing the use of most natural light and green will help you achieve your low carbon goals.



Platform

The platform serves as both a streetcar stop and a platform. It is convenient to visit and move, is readily available to anyone, and helps passengers easily lend and return shared items. It also contributes to the urban power supply by installing solar power on the platform ceiling.

The Design builder

