

## Introduction and Development Concept

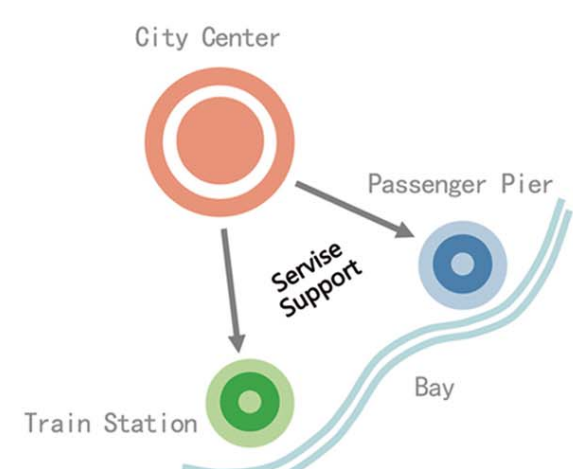
Keelung Station Area is located in Keelung harbor and is going through the transition from traditional logistics services to modern function. In this planning, we set goals to drive this shift:

- Dig into location advantages and construct **regional hub and gateway**.
- Develop a **comprehensive functional area** with competitive ability.
- Redevelopment of urban area based on **culture of port** in Keelung.

Based on these, we using the key development concept of 'Livelihood, Lift, Life': start from relying on city center, after the comprehensive upgrade in function, environment and commercial activities, finally achieve bustling and prosperous.

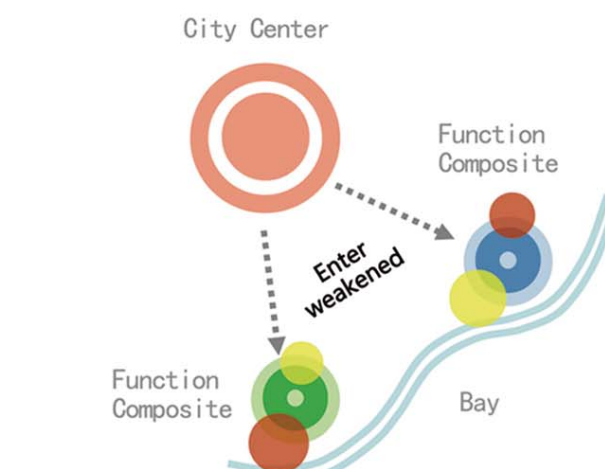
According to original plans of this area and our concept, some changes have been made: first, we change the location of New Keelung Station plan because of the poor land conditions; second, we shift the Passenger terminal construction plan to the other side which benefit for update and redevelopment of comprehensive functional partition.

Relevant softwares have been used: UC-winRoad, Designbuilder, 3D Max, Sketchup, AutoCAD etc. which can better express the intention.



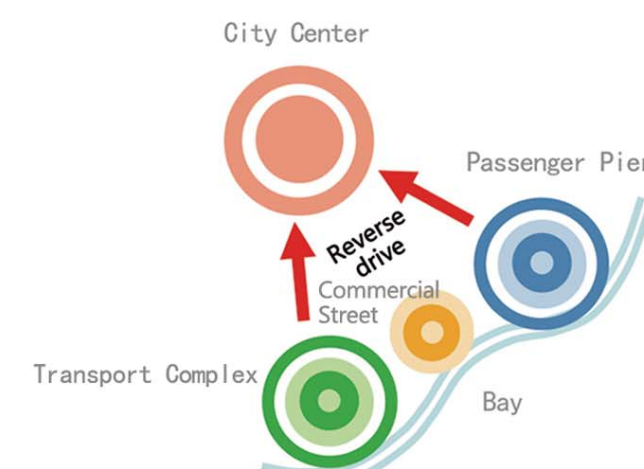
### Initial stage: Main city support

It is significant and necessary to build convenient connections between city center and planning base because of lacking complete service and basic facilities.



### Second stage: Self-growth

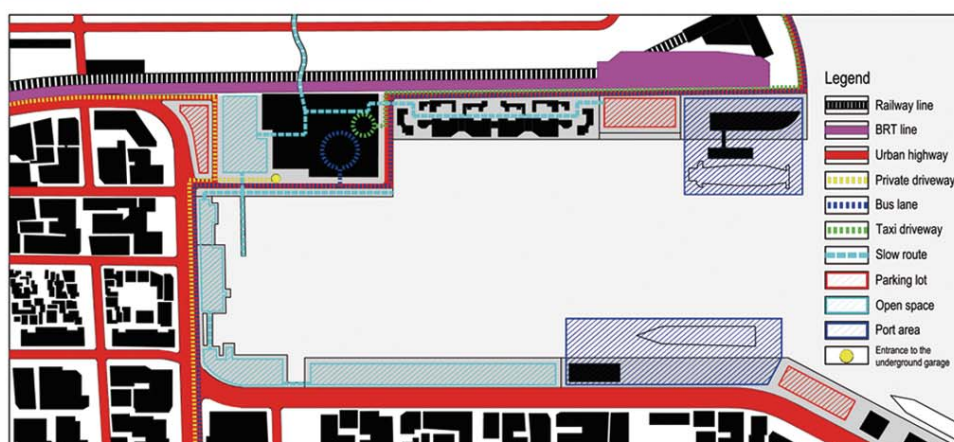
Planning base got certain service ability, but it is not enough to constitute a high service platform which still supported by city center. Differences were the weaken of service.



### Present stage: Reverse drive

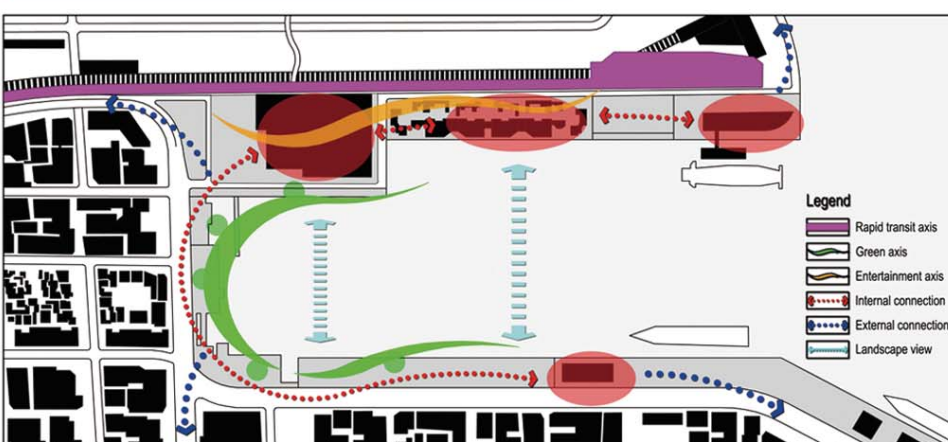
The development of planning base is focus on how to produce cohesion and become a part of city center. It will bring leading role in the future and power shaft will form step by step.

## Traffic Facilities Renew



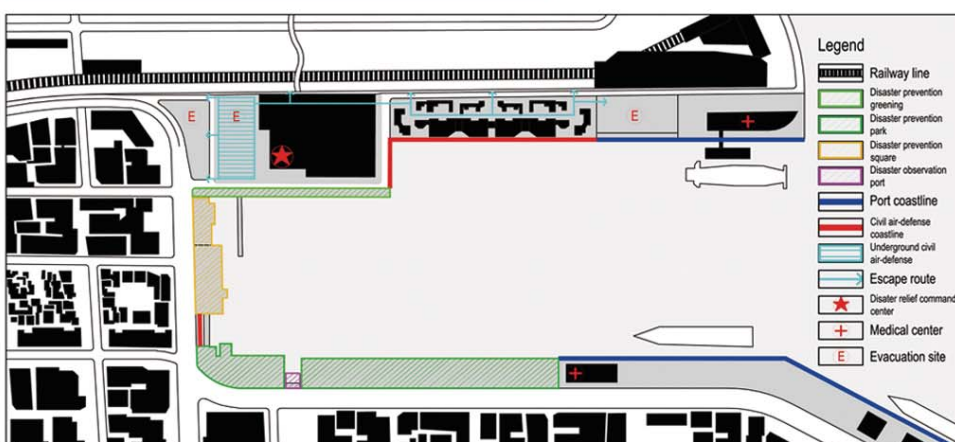
- 1 Strengthen the connection between the redevelopment area and city center, improve the **whole major road network**.
- 2 Retrospect **internal roads** to improve the running efficiency, especially the appropriate shunt of public transport and private cars.
- 3 Complete the system of **slow traffic** to improve recreational function, especially construct multilayer free channels throughout whole area.

## Space and Landscape Planning



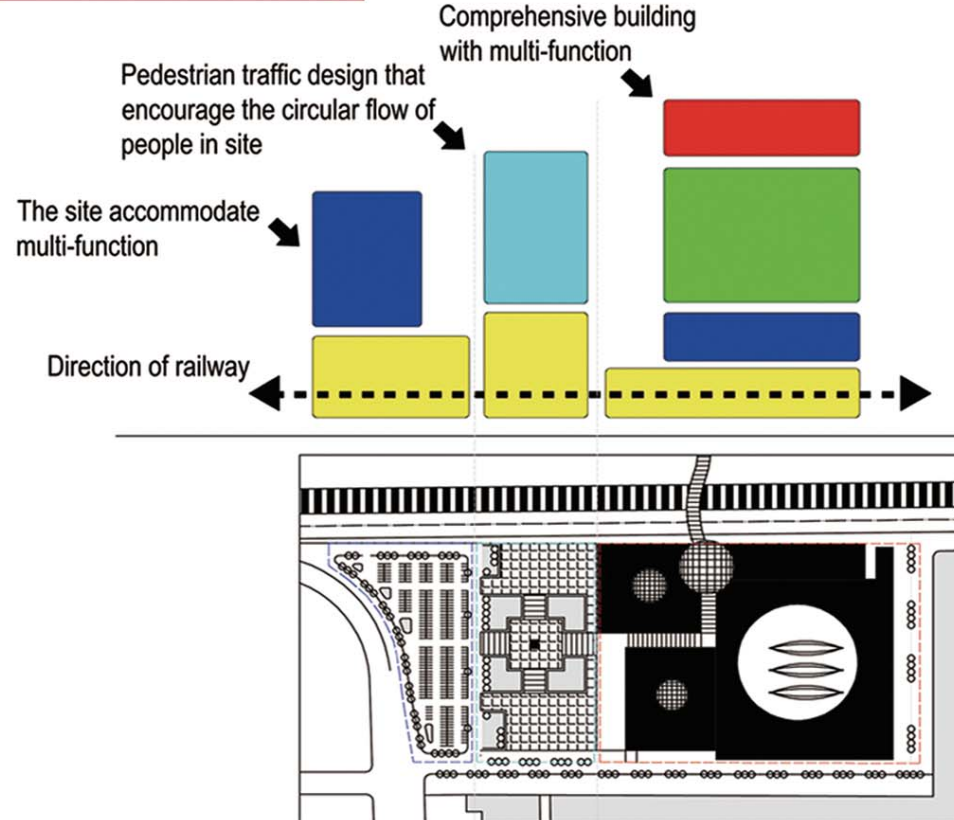
The idea of 'Green' is been used: **Green axis** and **Entertainment axis**. **Green axis** is connecting both sides of harbor and put them in a unified space by greening, waterscape and square to create new landscapes. **Entertainment axis** is connecting the transit cpmles and passenger pier with a comprehensive market street to attract people, construct environment and enhance whole vitality.

## Disaster Prevention Planning



- 1 Build disaster prevention system of coastline by ways of **disaster parks, square and civil air-defense** etc. It is also equipped with **disaster observation port** to observe disaster and changes.
- 2 **Civil air-defense facilities** are setted up under parking lots and connected with **escape routes**. Main buildings have disaster facilities of **disaster relief command center, medical center** etc.

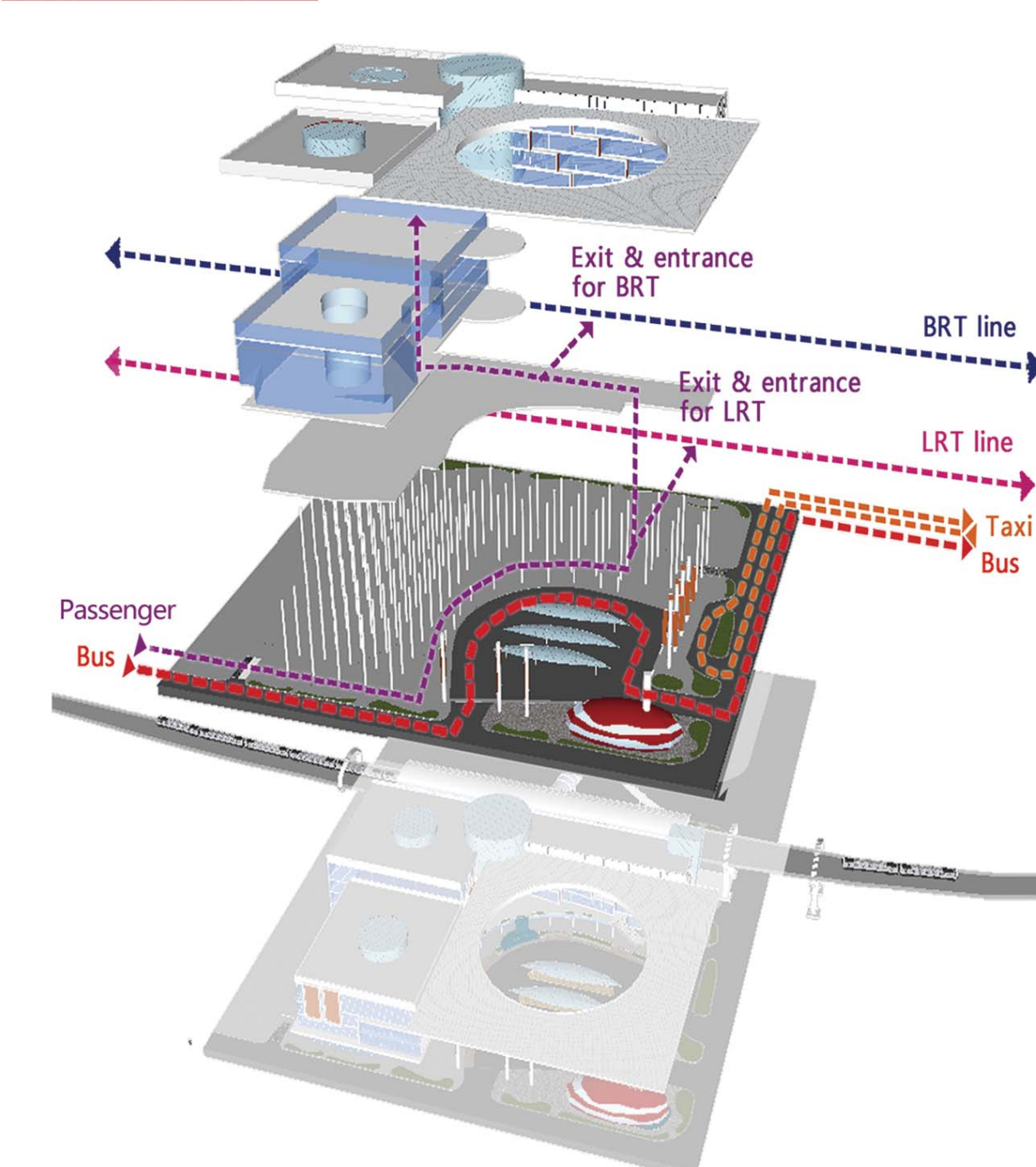
## Land Use Planning



The land use strategy and planning of Keelung station area has three themes: **highlight the import of city composite function, coherent open space and disaster prevention and reduction**. It has contributions to the bustling and prosperous of redevelopment area:

- 1 Search for a **multi-functional land use mode** (commerce, culture, entertainment, hub etc.) to improve running efficiency and life convenient.
- 2 Build a **coherent open space** (squares, parks, streets etc.) and make an **unified planning of public space and development land** to improve accessibility, walking and continuity.
- 3 Focus on **disaster prevention function of open space** (waterfront parks, waterfront squares etc.) to ensure the security of citizens, facilities' operation and normal activities in disaster.

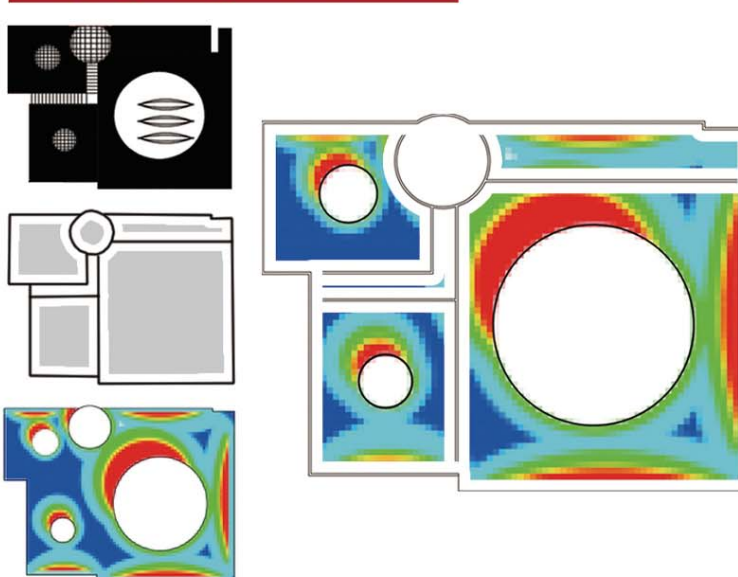
## Interior Flow Line



## Project Indicators

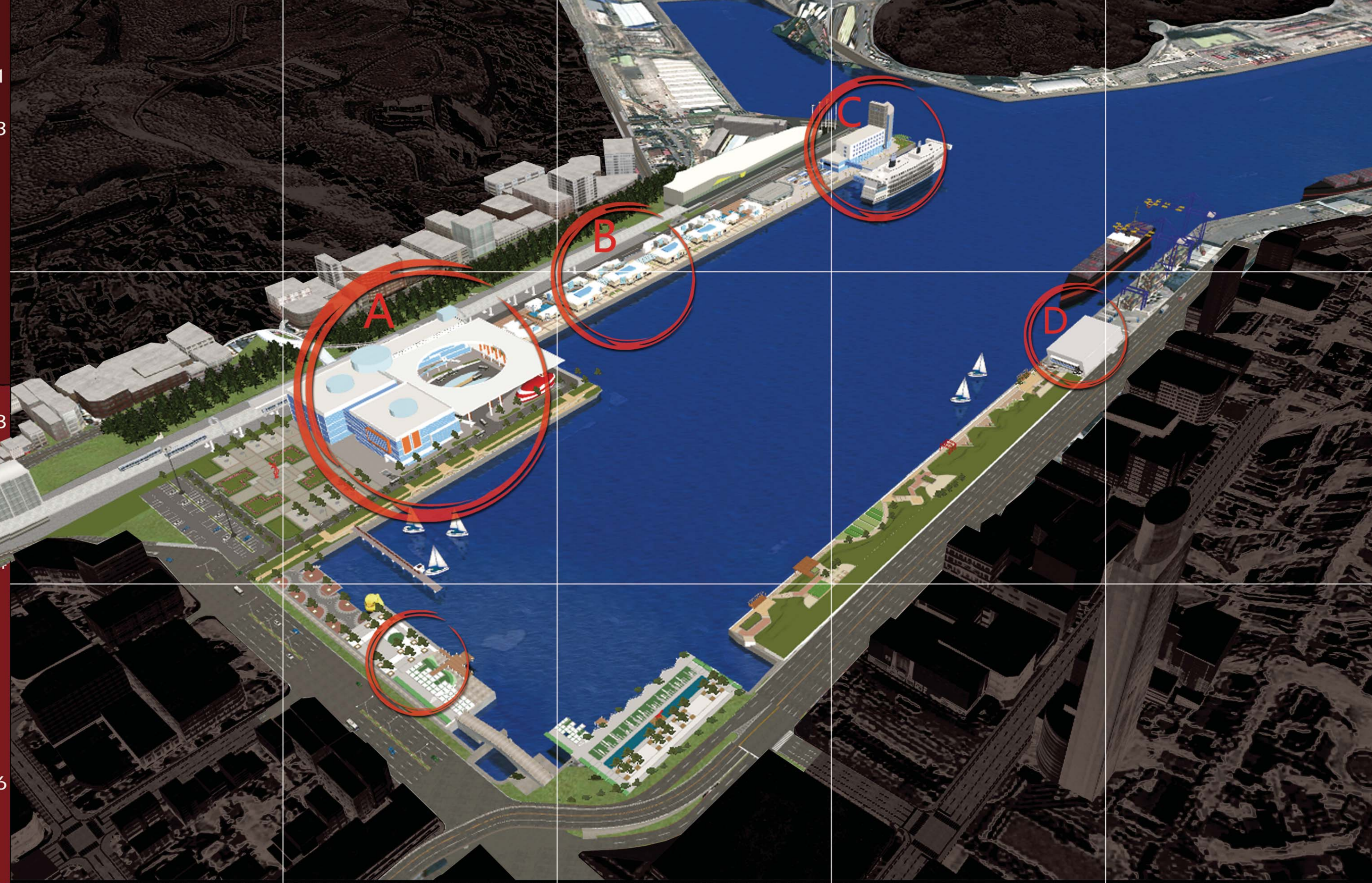
	Transport complex	Commercial Street	Passenger pier	Trade terminal
Construction application	BRT & LRT station, command center, service, commerce etc.	Commerce, entertainment, residence etc.	Service, residence, office etc.	Office, warehousing etc.
Land area (m <sup>2</sup> )	33800	15500	10000	-
Base area (m <sup>2</sup> )	8800	4700	2500	2100
Construction area (m <sup>2</sup> )	10200	9400	11000	4200
Building density (%)	26	30	25	-
FAR (%)	30	61	110	-

## Daylighting Distribution



Using the software of **DesignBuilder** to analyze the daylighting distribution in architectural design is benefit for the layout of internal space, orientation and location etc. Buildings which make full use of natural light is conducive to the goal of **low carbon**.

## Panoramic View 4



### A. Transport Complex



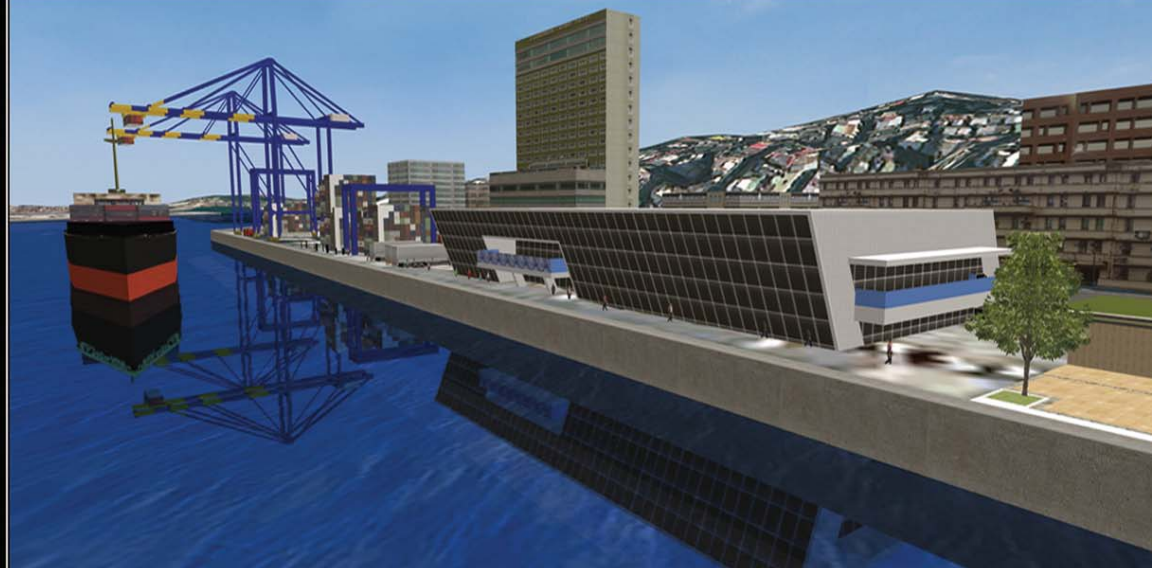
### B. Commercial Street



### C. Passenger Pier



### D. Trade Terminal and Office, Service Center



## Panoramic View 1-3



## Views on Both Sides



## Smart Transportation System



## Garbage Disposal Technology

