Luminous Fog Marina

1. Proposal - A new way of tourism in Keelung

We propose a new way of tourism in Keelung. And tourists to the city to know the working of the city residents. Keelung has a background that life of residents has been made up the logistics and harbor. Among them, Keelung can be seen the need to reform the urban structure.

A new passenger terminal will be built. Keelung will be more and more change into a tourist destination. So our aim is how to attract more tourists to the city. We visualize a particular scenario of remote location using IM, and we design new Keelung, integrating various information.

2. Proposal - A media harbor that using rainwater, and the pedestrian space

We focus on 2 problems to Keelung. First, transportation network of Keelung is a major barrier that inhabit the flow of the pedestrian. Second, Keelung is a main work of the tourism. So for this city we have a negative point to restrict people’s activity.

In addition, there is the redevelopment plan that can build a new passenger terminal complex at the east side of the Keelung harbor. And it is expected by the plan to add a chance to increase a flow of the tourist who visits Keelung (Fig. 1). We propose the space for the pedestrian where a scenario is flowing to the Keelung city fluidity and rain is changing the scenery that attracts people along this redevelopment plan.

3. Overall plan

We propose the three-dimensional walking space which expands a possibility of Keelung that functions as a new visitor spot as well as the function of the pedestrian deck. For example, we added landscape of harbor, mountain and sea to get a sense.

So we propose that it creates a new scenery and new activities in Keelung, and a new tourism resources. We plan the new passenger terminal at Aquarium, which also serves as a water storage. Pedestrian space extending from the aquarium, that is spread around to the right market, the living area, and Keelung station.

4. Circulation system of water

There is a flow on the east side of the Keelung harbor. As a system for generating power by using water in the river and the sea of microhydroelectric. Micro Hydroelectric power system is a system for generating electricity by using a variety of water flow. There is a merit, reducing the load on the natural environment and the cost.

5. Wind-power generation

In the Keelung, flows the strong wind. We found the area that flow is more strongly. We set up a wind power generation. (Fig. 4)

6. Simulation of rainwater

We verify the flow way of rainwater on the roof with using the RainScape and Grasshopper. We can use different shape.

7. Features of the roof

Finally, we decided the three roof shape.

1) An aquarium and water storage equipment (Fig. 5)
The roof, which is provided in the area and directed to the right market, prevented that the ground becomes waterlogged when it rained. By dropping the rainwater near the drainage ditch that drains into the river, it will be able to carry out an effective drainage. In addition to a sunny day is opened for inverting the light of sky, you can see also salute.

2) The roof as a drainage system (Fig. 1)
The roof, which is provided in the area and directed to the very right market, prevented that the ground becomes waterlogged when it rained. By dropping the rainwater near the drainage ditch that drains into the river, it will be able to carry out an effective drainage. In addition to a sunny day is opened for inverting the light of sky, you can see also salute.

3) The roof that make a water screen (Fig. 2)
We provide the roof on the elevated side and south area a water screen is used as a new media of Keelung instead of the signboard.