Satellite Campus Proposal for University of Hong Kong
Integrating with Redevelopment of Industrial Area at Sai Wan Pier

Introduction

The project proposes a satellite campus proposal for the University of Hong Kong. The site, located at Sai Wan Pier, is an industrial area occupied by the Western Wholesale Food Market (built in 1991). The area suffers from the vacancy problem and a new strategy is needed. Integrating with the Redevelopment of the Industrial Area at Sai Wan Pier, the site can be transformed into a new learning, research, office and community area. The site is adjacent to the Western Wholesale Food Market, which is at risk of being relocated due to repositioning. The site is located at Sai Wan Pier, an industrial area occupied by the existing wholesale market, and is separated from the Victoria Harbour, university, and city. The site context is continued and new learning, working and living spaces can be provided for the public.

Research on the existing wholesale market

1. Research on the existing wholesale market. The Western Wholesale Food Market (built in 1991) is located in Sai Wan Pier. The market is an essential part of the local community and supports the livelihood of many families. It is also an important node for the transportation system around Sai Wan Pier. In the future, the market will be relocated and new facilities will be constructed. The new facilities will provide a collaborative base for students, companies, and the local community.

2. Research on harbor revitalization cases. Through analyzing the program conversion and sustainability evaluation of the existing cases, the project aims to provide a comprehensive analysis of the project's potential. The project will focus on the program conversion of the existing wholesale market into a cultural and commercial program and the reuse of previous improvement from existing cases of harbor revitalization. The project will consider the adaptive reuse of the existing buildings, its industrial and commercial function, and the integration of new functions.

3. Research on harbor revitalization cases. The table below lists the harbor revitalization cases that have been studied. The cases include Rotterdam Innovation Dock, Granville Island, and Victoria Harbour. The table shows the project name, location, year of completion, and program conversion.

<table>
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Transport System

Public Transportation (tramway, Water-bus)

Based on the future water-bus plan of the Hong Kong government, the new water-bus route is introduced into the site by setting a water-bus terminal at the upper level to provide rapid access, dealing with the long distance problem of product transportation. The former car ramps and roadways are transformed into new bicycle lanes on the upper level to provide rapid access, dealing with the long distance problem of product transportation.

Cooperative Satellite Campus

System of Cooperative Satellite Campus

The cooperative campus will be managed at the back end of the building by the university. The new campus will be located adjacent to the existing wholesale market and the university.

List of harbor renovation projects and program conversion

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Conclusion

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The project proposed an approach connecting to the main campus: pedestrian footbridge to the metro station and further access to the university by an underground tunnel. Also, tramway and water-bus route are extended to improve the accessibility. A main street throughout the whole building is reused as a linkage of learning, research, office and community areas.

### A. Processing Factory
- Integrate stalls
- Preserve existing buildings
Small scale stalls are integrated into huge spaces for production use. The corridor in this area will keep open to ensure the convenience of cargo flow.

### B. Research Lab
- Campus street
- Reuse skylight
- Atrium
A campus street is created based on the existing open street. Atriums are created according to skylights to bring enough daylight.

### C. Learning Center
- Extend campus street
- Terrace
- Reuse the ramp
Campus street is rotated and extended towards the pier area. Floors are set back as terraces for the open studio facing the sea.

### D. Student Housing
- Modular container house
- Steel structure
- Double roof
The housing reuse the container for two types of modular room including single and double. A gap is left between the new and old building for ventilation.

### E. Pier Hotel & Tower
- Gateway
- Tower
- Viewing deck
The second floor is totally opened as a deck for a water-bus terminal. A viewing deck is set on the top of the tower while an event hall stretching over the pier to get the harbor view.
The open studio space towards the Victoria Harbor

Sunlight comes from the skylights in the classroom street

Main gate and entrance square

The open studio space towards the Victoria Harbor

The open studio space towards the Victoria Harbor

To use University of Hong Kong St.

To Sai Ying Pun St.