
Basic Architectural Design by Yasui Architects & Engineers, Inc.

Construction Work Starts on Renovation of Taiwan's Largest Wholesale Market

Yasui Architects & Engineers, Inc. (Head office: Chuo-ku, Osaka/President: Yoshihiko Sano) carried out the basic architectural design for a project commissioned by the Taipei City Government to renovate Taiwan's largest wholesale market. Construction work on the "Taipei City First Fruit and Vegetable Wholesale Market (including temporary wholesale market) and Wanda Fish Wholesale Market Renovation Project" started on July 1.

1. Project background and details

The Taipei City First Fruit and Vegetable Wholesale Market/Wanda Fish Wholesale Market located in Taipei City's Wanhua District is Taiwan's largest wholesale market, with by far the highest transaction volume for both agricultural and marine products in the country.

The current buildings have been in use for 45 years, and in addition to problems such as aging of the facilities, insufficient selling areas and parking lots, and traffic congestion on the premises, they were unable to accommodate the upgrades to hygiene management levels and distribution systems that have become increasingly required in recent years.

The Taipei City Government launched a competition to recruit design and construction companies to redevelop the facilities (on the current site), and on February 16, 2020, a joint venture represented by one of Taiwan's major general contractors, BES Engineering Corporation, was selected. As a member of this joint venture, Yasui Architects & Engineers, Inc. was responsible for the basic architectural design and will also carry out the design for execution supervision and administrative supervision of construction.

The contracted amount for the joint venture is 15 billion Taiwan dollars. The construction period is approximately 7.5 years. The temporary building for agricultural products, which will be the first stage of construction, is scheduled for completion in April 2021. The new facility is due to be completed in April 2029.

On July 1, 2020, a groundbreaking ceremony attended by many of the individuals involved, including the mayor of Taipei, Ko Wen-je, was held to pray for the project's success. Many reporters also attended the start of this high-profile project, and it was broadcast by various media outlets.

2. Project features

- The basic concept of the project is "a landmark that promotes the food culture of Taipei."
- Substantially enlarges the sales floor area by making the facility multistory.
- Enhances the value of goods in the market by implementing hygiene management standards equivalent to Japan.
- Improves logistics by streamlining traffic flow on the premises.
- Increases the efficiency of receiving and shipping goods by building connecting ramps with the elevated roads (Shuiyuan Expressway and Huazhong Bridge).
- The entire rooftop of the agricultural products building is a sloping rooftop garden shaped like a hill, providing a place for citizens to stroll and relax.
- The agricultural products building's main wholesale area is a 17 m-high atrium space, and

this large space can be viewed from above.

- Various sightseeing functions are introduced in the marine products building, and the building is integrated with the rooftop garden to form a new tourism hub in Taipei.
- The top story's ceiling design inherits the history of the former market, taking the roof shape of the existing building as its motif.

3. Building overview

- Site area: 75,303 m²
- Total floor area: 317,575 m²
- 8 above-ground levels, 1 basement level
 - (1) Taipei City First Fruit and Vegetable Wholesale Market
 - Average daily transaction volume: 1,600 tons (currently)
 - Average daily transaction value: 47,000,000 Taiwan dollars (currently)
 - Main facilities: Wholesale area (ambient/chilled), intermediate wholesale area, refrigerators, parking lots (2,275 vehicles)
 - Number of intermediate wholesale stores: 966 (vegetables: 551, fruit: 415)
 - (2) Taipei City Wanda Fish Wholesale Market
 - Average daily transaction volume: 82 tons (currently)
 - Average daily transaction value: 10,000,000 Taiwan dollars (currently)
 - Main facilities: Wholesale area (chilled), intermediate wholesale area, refrigerators/freezers, processing plant, parking lots (610 vehicles)
 - Number of intermediate wholesale stores: 138
 - (3) Tourism/educational facilities
 - Main facilities: Aquarium, themed restaurants, live fish display/sales facility, hands-on experience/educational facility, stores selling merchandise, etc. (details are to be decided)

4. Structure of joint venture

- (1) Construction
 - BES Engineering Corporation *Joint venture representative
- (2) Design
 - Yasui Architects & Engineers, Inc. : basic architectural design, design for execution supervision, administrative supervision of construction
 - CECI Engineering Consultants, Inc., Taiwan : design for execution
 - Evergreen Consulting Engineering, Inc. : basic structural design
 - Yu Cheng Engineering Technology Consultants, Inc. : building services design supervision

5. Relevant URL links

- Video description of project contents (released by New Construction Office, Public Works Department, Taipei City Government)
<https://www.youtube.com/watch?v=nf2pGxQBSbw>
- Video description of facility plan (released by New Construction Office, Public Works Department, Taipei City Government)
<https://www.youtube.com/watch?v=HqnGXom8p0w>

Related inquiries

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Conceptual images of completed project







Groundbreaking ceremony (July 1, 2020)



Mayor of Taipei Ko Wen-je praying for the project's success