

ARCHITECTURAL BUILDING WORKS

Operations

In 1973, TOA established the Building Department and became a full-fledged general contractor. Since then, TOA has accumulated experience and earned a reputation as a reliable and quality builder by completing various projects, including educational facilities, such as schools; cultural and recreational facilities, such as gymnasiums and sports centers; medical and welfare facilities, such as hospitals and nursing care facilities for the elderly; commercial buildings, such as offices, shopping malls, and hotels; industrial buildings, such as factories, power plants, and warehouses; and residential buildings.

In response to the social demands in this modern era, TOA has developed new technologies, such as roof gardening, and energy-saving designs for environmental sustainability, earthquake-proof mechanisms for disaster prevention, and HACCP food processing systems for food safety.

Kaolack Central Fish Market in Senegal

TOA was awarded a contract by the Government of the Republic of Senegal to construct a new, modern fish market in Kaolack City, located approximately 200km southeast of Dakar. Funded by Japan's ODA loan program, the project included the construction of a market building with 1,936m² of floorspace, an 811m² ice plant building, a refrigeration system, an ice production plant, a sewage treatment system, and other auxiliary utilities.

New Construction Work for Aizumicho Town Gymnasium (provisional name) (Tokushima Prefecture)

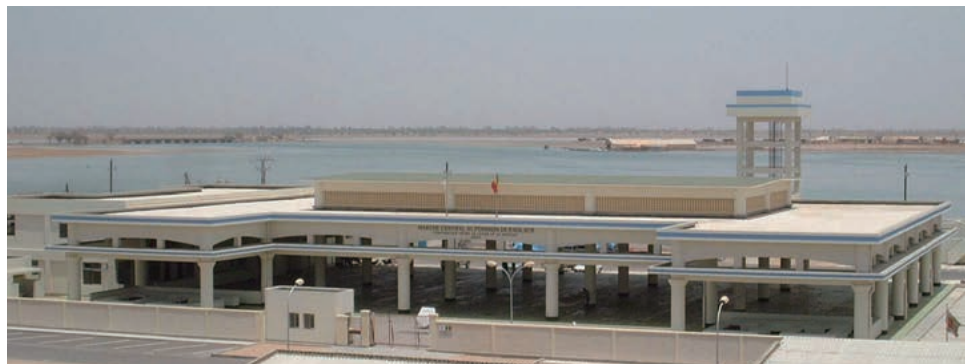


Work was completed in January 2013 on the construction of the Aizumicho Town Gymnasium (provisional name), which was commissioned by the town of Aizumicho in Tokushima Prefecture on Shikoku Island. This three-story building is a modern gymnasium of RC construction, with a total floor area of 5,208.46m². It is a full-fledged gymnasium with the second floor equipped with seating for more than 500 spectators. As this building is ideally located almost in the middle of the town of Aizumicho, praise has been widespread and the expectations have been high for its use as an emergency facility in the event of a disaster such as the Nankai Trough Earthquake, which many believe could occur in the near future. Moreover, the gymnasium, as a culture and sports facility that is a symbol of the town, presents an appearance that harmonizes the traditional with the

modern in various ways, such as using tiles on the outer walls of the building that bring to mind the image of "indigo warehouses," which have a very close connection with the town.

One's Tower

In Higashi-Murayama City, located in the west part of the Tokyo Metropolitan Area, an urban renewal project was carried out in the district west of Higashi-Murayama Station of the Seibu Line. Among the projects undertaken there, TOA constructed "One's Tower," a 100-meter high-rise building that was completed in August 2009. The building, a symbol of the city, is connected directly with the train station and has shopping areas and public spaces from the 1st through 4th floors called "One's Plaza," and houses 182 stores on the 5th through 25th floors.



Newly Completed Project

Nichirei Logistics Kanto Higashi-Ogishima Distribution Center, (provisional project name), Phase 2, (Kanagawa Prefecture)

Higashi-Ogishima, which is located in the city of Kawasaki, is an artificial island in Tokyo Bay where distribution companies currently maintain a large number of refrigerated warehouses. It serves as the base for ensuring the safety and security of the food for the 35 million people living in the Metropolitan Tokyo area. The recently-completed distribution center is not only a next-generation warehouse that incorporates a combination of "precast-prestressed concrete structure with mild-press joint and base isolation method," which is capable of withstanding the vertical shaking and horizontal shaking caused by a large earthquake, but also an integrated structure formed by connecting the existing warehouse and the new warehouse, both constructed by TOA creating the first base-isolated refrigerated warehouse in the world.



■ Client

Nichirei Logistics Group Inc. Head Office

■ Construction period

May 2011 to July 2013

■ Site of construction

Kawasaki City, Kanagawa Prefecture

■ Project outline

Use : Refrigerated warehouse [Refrigeration class of cold rooms, etc.: F-class (-25°C) and FC-class (0°C to -25°C ; Storage capacity: approx. 40,000 tons]

■ Structure

PC structure (pile-head base isolation structure); Five floors and one PH floor above ground

■ Total floor space

34,806.50m²

■ Building area

8,035.72m²

■ Building height

35.7m

Tsutsujigaoka Tennis Courts (provisional name) (Wakayama Prefecture)

Work was completed at the Tsutsujigaoka Tennis Courts (provisional name) in preparation for the 70th National Athletic Meet, which would be held in Wakayama Prefecture, with 20 tennis courts being installed to meet a requirement for serving as the tennis grounds for a National Athletic Meet. The Tsutsujigaoka Tennis Courts contains such facilities as all-weather tennis courts, including indoor courts, as well as a five-story club house (administration building), and parking for a total of 132 vehicles. It is anticipated that this facility will also be used to hold various athletic meets in the future after the Wakayama National Athletic Meet ends.



■ Client

Wakayama City, Wakayama Prefecture

■ Construction period

September 2012 to March 2014

■ Site of construction

Wakayama City, Wakayama Prefecture

■ Project outline

Civil engineering works: Comprehensive project (infrastructure improvement work, facilities improvement work, grounds and courts improvement work, conduct building surveys)

Construction work: Comprehensive project (construction of indoor tennis courts, construction of club house, appurtenant work)

