

# 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 (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 1,936m<sup>2</sup> of floorspace, an 811m<sup>2</sup> 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)

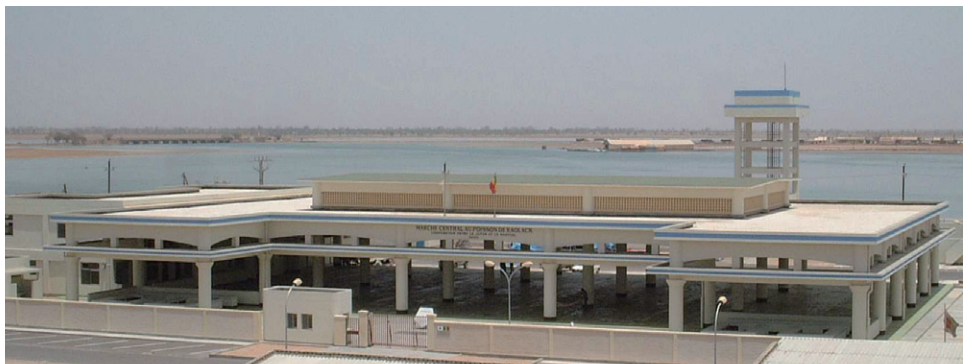


Work was completed in January 2013 on the construction of the Aizumicho Town Gymnasium (provisional name), which was commissioned by the town of Aizumicho in Tokushima Prefecture on Shikoku Island. This three-story building is a modern gymnasium of RC construction, with a total floor area of 5,208.46m<sup>2</sup>. 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 (Tokyo)

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

### New Construction Work on a Factory in Hyuga City – Stage 1 Construction Work (Miyazaki)

New construction work on a factory in Hyuga City, Miyazaki Prefecture, has been completed. The purpose of carrying out this project in Miyazaki Prefecture, which is one of the leading areas in Japan for producing Japanese cedar, was to make effective use of domestic Japanese cedar. The first stage of construction at this factory, which is one of the largest sawmills in Japan, covers a site having an area of 300,000 m<sup>2</sup>.

This factory not only houses various facilities capable of handling such functions as collecting and receiving, drying, pre-cutting, and laminating materials, as well as delivering products, but also focuses on making use of the energy generated throughout the factory so nothing is wasted. This facility, which forms a comprehensive production system that brings a wide range of functions together at one site, also pays particular attention to using energy efficiently.



■ **Client**  
Chugoku Mokuzai Co., Ltd.  
■ **Construction period**  
June 2013 to August 2015  
■ **Site of construction**  
Hyuga City, Miyazaki Prefecture

■ **Project outline**  
Total of nine buildings, including factory, warehouses, offices, and attached buildings  
Total floor space ..... 51,356.26m<sup>2</sup>  
Machine foundations, etc. at five places (20,687.75m<sup>2</sup>) and civil engineering works

### New Construction Work for Iwatsuki Distribution Center (Saitama)

Construction of the Daiichi Storehouse & Refrigeration Iwatsuki Nagamiya Refrigerated Distribution Center has been completed in Iwatsuki ward, Saitama City, Saitama Prefecture. Situated along National Route 16, it is located about four kilometers northeast of the Iwatsuki Interchange of the Tohoko Expressway.

This facility was constructed for the purpose of responding to the expanding need for refrigerated warehouses, which are expected to play an ever-growing role in the future, and ensuring that the capability to provide a stable supply of foodstuffs is not lost in the event of a major earthquake. This distribution warehouse incorporates both high-performance, high-efficiency energy-saving refrigeration capability and the latest seismic base isolation capability.



■ **Client**  
Daiichi Storehouse & Refrigeration Co., Ltd.  
■ **Construction period**  
October 2013 to April 2015  
■ **Site of construction**  
Saitama City, Saitama Prefecture

■ **Project outline**  
Use ..... Warehouse  
Structure ..... PC structure (base isolation structure); Four floors above  
Total floor space ..... 29,488.89m<sup>2</sup>  
Building area ..... 7,916.46m<sup>2</sup>