

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.

Nichirei Logistics Kanto Higashi-Ohgishima (Distribution Center-Kanagawa Pref)

A next generation refrigerated warehouse which Toa Corporation helped design and construct was competed in Higashi-Ohgishima in the south of Kawasaki in Kanagawa Prefecture where the logistics facilities of various businesses are gathered. The order for the 5 story, approximately 36,000m², approximately 40,000 ton storage capacity large scale refrigerated warehouse was obtained through a competition over a dozen other contractors.

The client sought earthquake resistance and durability for the building so that it would survive large earthquakes and other disasters, so our proposal of a structure for the refrigerated warehouse which combined seismic isolation equipment with pre-stressed concrete, the first ever such in Japan, garnered much interest.

We plan to continue polish our technological abilities and proposal strengths for design to construction of refrigerated

warehouse and a variety of other building construction fields to continually be able to meet the needs of the current times.



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.



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.



Newly Completed Project

Construction Work on the Hydrographic and Oceanographic Department of the Japan Coast Guard

- Client Ministry of Land, Infrastructure, Transport and Tourism
- Construction period ... September 2009 to December 2011
- Project outline [Government Office Building] Structure: Steel-frame building; 10 floors above ground (rooftop structure 1 floor); Total floor area: 19,869 m²

The construction of this building was ordered in conjunction with the move by the Hydrographic and Oceanographic Department of the Japan Coast Guard from Tsukiji to Aomi, and the construction of this new government office building was subsequently completed. This construction project validated the potential of BIM in the execution stage.

BIM (Building Information Modeling) is a system that is used to create a three-dimensional model of a building in the virtual space of a computer, and utilize the resulting information about the shape or components related to the building in various construction processes, such as design, execution, and maintenance management.

No.2 Morioka Government Office Building (provisional name) (Iwate Prefecture)

- Client No. 2 Morioka Government Office Building Development Management Co., Ltd.
- Construction period ... July 2010 to December 2011
- Project outline Principal use: Government office building (offices)
Structure: Steel-frame reinforced concrete structure
Size: Six floors above ground
Total floor space: 11,253.16 m²

Construction was completed on the No.2 Morioka Government Office Building, which was the first PFI project for the Tohoku Regional Development Bureau. The concept behind this government building is to provide not only government services, but also serve as disaster relief facility, and build a friendly community, reduce the burden on the environment, and create a neighborhood with a sense of fun and warm interaction. Over the next ten years or so of this project, the No.2 Morioka Government Office Building Development Management Co., Ltd., a company in which Toa Corporation has invested, will undertake the management of the maintenance and upkeep, as well as the operations of this building.

