

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.

Phu My Power Plant Phase I in Vietnam

Hoping to attract a steady inflow of foreign investments, the Vietnamese Government needed to solve the shortage of electric power, and designated the Phu My district, 80km southeast of Ho Chi Minh City, as the location to develop a new electric power complex. In 1998, with funding from an aid-loan from the Japanese Government, Vietnam Electricity gave a full turn-key contract to Mitsubishi Heavy Industries Co., Ltd. to build the Phu My Power Plant, Phase I, comprising four generation units capable of generating a total of 1,000MW. As a nominated contractor, TOA took charge of all civil and building works for the project. The TOA members selected for the project fully displayed a high level of skill and expertise in completing various architectural works, including a turbine-housing building, control and administration buildings, warehouses, and other

utility buildings, in addition to civil engineering works, such as a coal unloading jetty and cooling water intake and discharge facilities, completing all works on schedule and providing great satisfaction to the client.



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

In 2003, 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. TOA carried out the project safely and in harmony with the local communities and the rich



natural environment, providing excellent quality in completing all works in 2005 on schedule.

Newly Completed Project

Nichirei Logistics Kanto Higashi Ogishima Distribution Center

- Client : Nichirei Logistics Group Inc. Head Office
- Construction period : November 2009 to March 2011
- Structure : Prestressed concrete, with a part having a steel-frame, base-isolated structure (steel-frame construction); Total floor area: 36,281 m²
- Site of construction : Kawasaki City, Kanagawa Prefecture

Construction was completed on a refrigerated warehouses having the largest capacity of the refrigerated warehouses of the Nichirei Logistics Group, in Ogishima, which is in the city of Kawasaki, Kanagawa Prefecture. In order to ensure the safety of "food," a building construction was sought that would provide resistance to earthquakes as well as durability, resulting in a proposal for a building that incorporated a combination of a base-isolating device and prestressed concrete construction. This was the first time for such a construction method to be used for a refrigerated warehouse in Japan. Earthquake countermeasures of the highest standards in the world were adopted in constructing this building.



Housing Complex for Government Employees Tsudanuma Building No.2

- Original client : Kanto Local Finance Bureau of the Ministry of Finance
- Client : Tsudanuma Building No. 2 PFI Corporation
- Construction period : December 2008 to March 2011
- Construction outline : PFI project to build apartment building (460 units)
- Structure : Reinforced concrete structure with 13 floors; Total floor area: 25,952 m²

Housing Complex for Government Employees Tsudanuma Building No.2 was a project aimed at making improvements to the housing for government employees, which had become old and dilapidated. The project made improvements by concentrating the housing at one site and building a multistoried structure.

This project was a PFI project that assessed and utilized funding, management capabilities, and know-how from the private sector, with the design, construction, and maintenance operations being open to the public for bidding as a package. The various efforts made by the construction group that undertook this project, of which TOA served as the lead company, such as the consideration shown for the surrounding environment and finding ways to shorten the time required for construction, garnered high praise.

