

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 industrial buildings, such as factories, power plants, warehouses and cold storage warehouse; 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; and residential buildings.

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

PT. Mitsuyoshi Manufacturing Indonesia Pressing Machine Factory (Indonesia)

Toa Corporation was engaged in building of a new pressing machine factory in Bukit Indah located nearby the automobile park in West Java, Indonesia. The area allocated for the whole factory was over 30,000m². Toa Corporation was also in charge of the 2nd phase of the project, which was the construction of new administration building.



Cool Japan CLK Vietnam New Cold Storage Warehouse (Vietnam)

This construction work is the first stage of the Asia Cold Chain business (cold storage logistics), which is financed and carried forward by Cool Japan Fund. This project establishes the first full-scale cold storage warehouse in Vietnam, with the purpose of expanding distribution of high quality Japanese

foodstuff throughout Southeast Asia. Further expansion of this project is expected.



One's Tower (Tokyo, Japan)

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, public spaces from the 1st through 4th floors called "One's Plaza" and 182 rooms on the 5th through 25th floors.



Newly Completed Project

Construction of New Building for UI Kasukabe Logistics Center

The site is located at the place in Saitama Prefecture where National Route 16 intersects National Route 4, making it ideal as a base for distribution to the Tokyo Metropolitan Area.

The facility has all the features of a modern distribution facility, such as a floor load of 1.5 t/m² and a ceiling height of 6.0 m with no obstructions. The facility was built using an RCS hybrid construction that employed a combination of a reinforced concrete structure for the columns and a steel-frame structure for the beams. This is a structural work method technology that makes large spans and large spaces possible by using RC (reinforced concrete) materials, which have high compressive strength, for columns and S (steel frame) materials, which have high bending and shearing strength as well as being lightweight, for beams. And this method is also



superior for its workability and economic efficiency as it facilitates framework assembly, thereby shortening the construction period.

■ **Client**

UI Kasukabe Special Purpose Company

■ **Construction period**

February 2017 to February 2018

■ **Site of construction**

Kasukabe City, Saitama Prefecture

■ **Project outline**

Use of building: Warehouse; Scale and structure: RCS structure; Five floors above ground (warehouse consists of four levels)

Total floor space: 23,037.26m²

Building area: 6,224.44m²

Construction of New Auto Care Center for Isuzu Vietnam

This facility, built in the Tan Phu Trung Industrial Zone in Cu Chi district, which is in the northern part of Ho Chi Minh City, serves as the automobile parts warehouse, training center, and office for Isuzu Vietnam.

This facility fulfills three functions: storage for parts, training of employees of dealerships, and repairs that are particularly difficult or challenging. The warehouse stocks 6,000 kinds of parts. At the training center, Japanese trainers provide education and guidance to mechanics of the dealerships. The facility also handles repairs that cannot be performed at the dealerships. With the establishment of a reliable after-sales maintenance structure, the facility is expected to serve as a base for increasing customer satisfaction.



■ **Client**

Isuzu Vietnam Co., Ltd.

■ **Construction period**

January 2017 to September 2017

■ **Site of construction**

Socialist Republic of Vietnam

■ **Project outline**

Office building: Two-story steel-frame RC building; Training building: One-story steel-frame RC building (part of the building has two stories); Parts warehouse building: One-story steel-frame RC building

Total floor space of all buildings: 4,123 m²

Site area: 8,811 m²