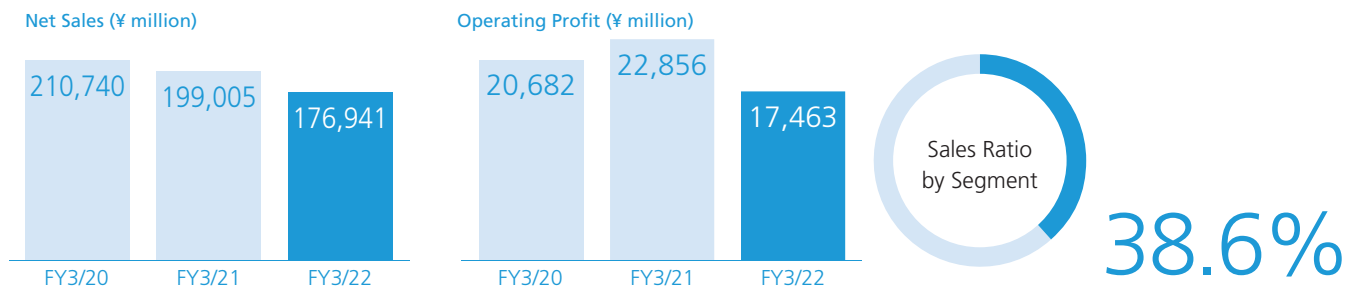


Major Projects in FY3/22

Domestic Civil Engineering



Tamagawa Sky Bridge

Kanagawa and Tokyo, JAPAN

This project connects the Tonomachi area of Kawasaki City, a Comprehensive Special Zone for International Competitiveness, and the Haneda Airport area, located on either side of the Tama River, by a road approximately 840m long with a standard width of 17.3m. Of the 674m bridge section, the 240m-long span between the central piers is the longest composite rigid frame bridge in Japan, with the steel superstructure and the RC bridge piers rigidly connected. The bridge was constructed in consideration of preserving the natural environment and landscape near the mouth of the Tama River, and opened to traffic in March 2022. The development of this new road infrastructure is expected to contribute to further improving the international competitiveness of the Kawasaki waterfront and the Haneda Airport areas.

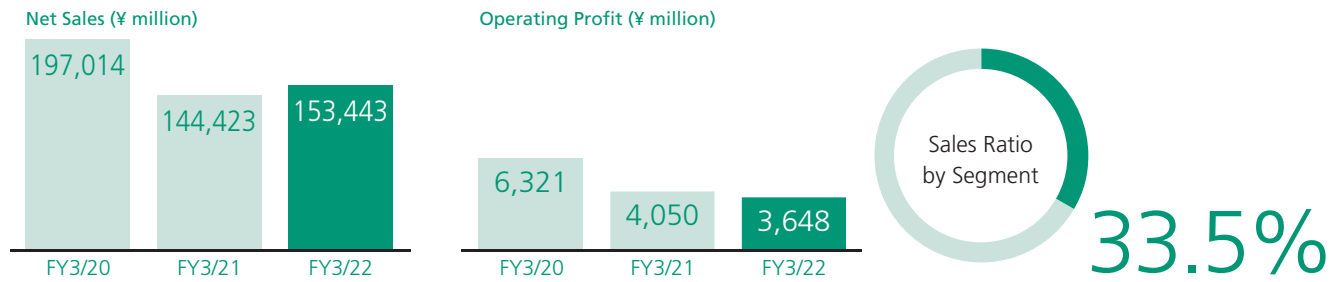


Kinuura No.1 Reclaimed Area, Final Disposal Site

Aichi, JAPAN

This project involved the construction of a controlled coastal final disposal site for coal ash with a reclaimed area of 24ha (450m north to south by 536m east to west) and a landfill capacity of 3 million m³. The Cement Deep Mixing Method was adopted to secure a stable seabed, and a total of 21 caisson-type seawalls were fabricated and installed on the outer seawall including 90m-long hybrid caissons, which are composite structures of steel and concrete. In order to ensure an impermeability of the seawall, a deformation-following impervious material, composed mainly of asphalt, was used for the new outer seawall, and a double impervious sheet was installed on the existing seawall.

Domestic Building Construction



City Tower Musashi-Koyama

Tokyo, JAPAN

This building is one of ongoing redevelopment projects around Musashi-koyama Station. This complex consists of three buildings: a 41-story, 145-meter skyscraper, a mid-rise and a low-rise building, comprising residences, a supermarket, clinics, a pharmacy and retail stores, as well as public facilities such as a community center and meeting rooms for local residents. Surrounded by a bustling shopping area, beautiful parks and green sidewalks, the high-rise floors offer a panoramic view of the Tokyo Tower and the Tokyo Skytree. At the project site, we achieved productivity improvement by adopting PiCOMS, a system that allows construction parties to share work progress in real time.



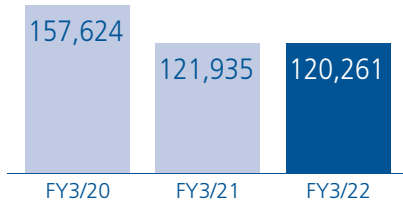
HORKOS Corporation Headquarters

Hiroshima, JAPAN

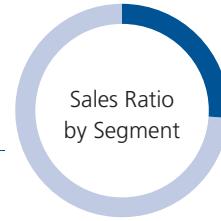
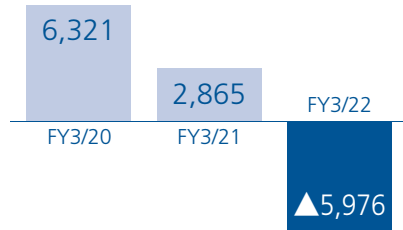
HORKOS Corporation, a well-established machine tool manufacturer, had its head office reconstructed to commemorate the 80th anniversary of the company's founding. Under the concept of "a factory of intellectual expertise", each department was consolidated in the new head office. The new head office is expected to serve as a BCP base in the event of a major disaster as well as a hub for "green" manufacturing with the acquisition of a ZEB Ready certification. The layers of protruding balconies symbolize the company's 80 years of accumulated history. The building provides the ideal platform for the company to rise up to further global challenges.

Overseas

Net Sales (¥ million)



Operating Profit (¥ million)



26.2%



Patimban Port Development Project

Indonesia

Funded by Japanese ODA yen loans, this project involved constructing a new international trade hub port in the Patimban area in the eastern part of the Jakarta metropolitan area in order to accommodate the rapid increase in the cargo volume handled in the suburbs of Jakarta, the Indonesian capital. The project was the first in Indonesia to adopt Japanese technologies such as the Cement Deep Mixing (CDM) and the Cement Pipe Mixing (CPM) methods for ground improvement, as well as a strut structure for pile reinforcement of the pier. The project site is located near an industrial park where many Japanese companies have established regional bases, and it is expected to improve logistics efficiency by dispersing the volume of cargo.



The Treasury Building

Hong Kong

The building is a joint-user government office building constructed in the Kowloon area, opposite Hong Kong Island. The building houses government agencies on the upper floors, while the lower floors feature a clinic, daycare centers for children and the elderly, as well as an employment service office. The facades of aluminum sunshade panels on the upper floors, which give the building a distinctive look, are installed at different angles on each floor to ensure more efficient protection from sun and heat. In addition, the front facade of the lower floors is provided with green walls, both for aesthetic purposes and for the greener environment around the building.