

Overseas Projects

Penta-Ocean continues to expand its global reach by successfully completing noteworthy architectural and civil engineering projects.

Toa Payoh Redevelopment Project Singapore



During the term under review, the Penta-Ocean Group experienced a slight slowdown in business in Southeast Asian market, where the company is traditionally very active. The exception to this trend was, of course, The Peoples Republic of China, where construction projects continued to gain momentum. The Group's activities in the Middle East market also continued to expand during the term.

In other markets overseas, Penta-Ocean focused its sales activities on projects involving land reclamation work, dredging, and other large-scale and very-large-scale marine civil engineering projects, in addition to architectural engineering undertakings. These efforts are expected to result in the procurement of many new orders during the current term.

Toa Payoh Redevelopment Project Singapore

This project consisted of a high-rise residential complex containing a 40-story, 126m-high condominium with 926 units and was ordered by Singapore Housing Development Board. Precast components were utilized for 80% of the building's construction, and one of the four residential buildings adopted an all-weather automated execution system developed by Penta-Ocean. This format replaced conventional PC methods and resulted in a reduction in building frame construction cycle per floor by three days, thereby saving labor, enhancing safety and reducing stress to the environment.

Penta-Ocean received the Best Design Awards 2006 from the Singaporean Construction Bureau for its work on this large-scale project.



Kwai Chung Container Terminal No.9 Hong Kong

This project was ordered from Modern Terminals Ltd., a company that manages four berths at the Kwai Chung Container Terminal, a thriving, world class port hub.

Penta-Ocean constructed a 7-story headquarters building, a 4-story workshop, a steel-structured main gate at the newest terminal No.9 of the four berths. The Headquarters Building has received notoriety for its wavy steel roof and curtain walls.



Deep Tunnel and Sewerage Construction Project, T-02 Block Singapore

This project aims at meeting future projections for increases in the population and for improving the highly economical sewerage systems built into the project expected to be maintenance-free for 100 years. Penta-Ocean designed and completed a 7 km section of the system containing culverts with an inside diameter of six meters. The entire system is 48 km in length. Penta-Ocean developed and patented the boring system employed in this project, which set new world records for both excavating speed, at 530 meters per month, and for distance, using a single earth pressure-balanced unit.