



# Overseas Projects

## Focus on Fields of Expertise. Aiming for an Early Recovery in Operating Income.

“Challenge 21” was successful in restructuring project management in the Overseas Division as well as Domestic Divisions through such concepts as “Profit Focus” and “Distinction and Concentration”. As a result, gross income will return to black this year, and we expect a return to operating income profitability by the final year of “Evolution 21”

As the leading global marine contractor, we will concentrate on projects in the marine civil engineering field. We will be aggressively seeking marine civil engineering contracts, particularly dredging and reclamation jobs, throughout all of Asia, including Singapore, our base of operations in South East Asia, East Asia, and the Middle East. We will also be expanding into the Oceania and African markets with ODA projects.

Civil Engineering and Architectural Engineering will focus on selecting projects in Hong Kong and Singapore, which are expected to remain strong markets.

In addition, credit management, elimination of delay claims, elimination of country risk, and cash flow focus must all be properly accounted, while efforts to secure sufficient income will be made even during bidding. After taking orders, construction management systems and support systems must also be revamped.



### Vietnam Haiphong Port Rehabilitation Project

Haiphong Port, near the capital city of Hanoi, is Vietnam's largest commercial port. This project required the removal of sediment that tends to accumulate in river ports from the waterways and an increase in container freight handling capacity. The river and waterways were dredged, and a breakwater was constructed. Facilities were also expanded to improve the functionality of the port.

**Construction Period: March 2004 – June 2006**



### Singapore Vivo City Construction Project

Vivo City is a commercial facility set next to the bridge that connects with Sentosa Island, a sightseeing place in Singapore. World-renowned architect Toyoo Ito created an original design under the concept of “Surfing Scheme”, making the entire complex feel as though it were a moving wave. The 280,000 m<sup>2</sup> complex will open in October 2006 as Singapore's largest shopping center.

**Construction Period: Jan. 1, 2004 – Oct. 5, 2006**



### Romania Constanta South Port Container Terminal Upgrade Project

The Constanta Port, which faces the Black Sea, is Romania's largest trade port. A terminal yard, crane foundations, and a construction control building were constructed to accommodate the sudden increase in container traffic. This project has received excellent reviews for total construction quality and design, and won the 2004 Award in Architectural Excellence from the Romanian Ministry of Transport, Constructions and Tourism.

**Construction Period: January, 2002 – June, 2003**



### Hong Kong Tsing Yi Vocational Training Center New Construction Project

Penta Ocean constructed the cafeteria, library, and the main building of this Information Technology College, which features a multi-purpose music hall with seating for up to 1900 people. Site leveling, with a maximum elevational difference of 21 m, a delayed transfer of the project over to us, construction work when classes were being held, and a short construction period of 430 days to complete were difficult conditions. We successfully completed the project under these extreme circumstances on time and without any accidents.

**Construction Period: Jul. 9, 2003 – Sep. 10, 2004**

