

CASE STUDY

Alimak elevators improve access on ship-to-shore cranes at Pusan Port

18 Alimak elevators improve crane access at a terminal in Port of Pusan contributing to increased port efficiency. Improving access to ship-to-shore cranes for operators and maintenance personnel, the elevators provide fast and reliable vertical transport daily in any weather conditions.

The Port of Pusan is Korea's busiest port, with about 50 thousand vessels calling annually. Also one of the world's largest container ports, it is continually expanding its containerized cargo handling capacity. The port's expansion includes the construction of a new terminal featuring giant shore-based container handling gantry cranes manufactured by Shanghai Zhenhua Port Machinery (ZPMC), China. ZPMC has purchased 18 Alimak elevators to provide reliable, convenient access to the cranes' operator's cabins. By saving time and effort, the elevators allow operators and service personnel to perform their duties much more efficiently and safely.

Alimak engineers pioneered the use of rack and pinion drive systems for the movement of men and materials, and today, Alimak is the world's leading manufacturer of rack and pinion vertical access equipment, including a modular range of permanent access elevators as well as traditional construction hoists. The systems are easy to install and, unlike traditional rope operated equipment, require no winding room or supporting elevator shaft.



Pusan Port, South Korea



ELEVATOR DETAILS

Location:	Port of Pusan, South Korea
Application:	Ship-to-shore gantry cranes
Elevator type:	Alimak SE 450 FC
No. of elevators:	18
Capacity:	450 kg
Elevator car size: (W x L x H)	0.91 m x 1.3 m x 2.17 m
Speed:	0.8 m/s
Lifting height:	Approx. 46 m (45.658 m)
Crane manufacturer:	ZMPC, China

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