

## CASE STUDY

# Alimak elevators on grab-type ship unloader crane

Two Alimak rack & pinion elevators were installed on new ship unloader cranes at the port of Kaohsiung in Taiwan.

The grab-type ship unloader gantry cranes will serve China Steel Corporation with bulk materials delivered from vessels. These type of cranes are often applied in bulk material discharging with high efficiency and wide usability.

The Alimak rack and pinion elevator gets the crane driver to the crane's driver cabin at a height of 35 metres in less than a minute, improving the efficiency and productivity further. Safety is also improved as hazards, such as slipping on the stairs or objects falling from height, are greatly reduced.

The Alimak elevators provide reliable and efficient access to three different levels of the cranes for men, tools and repair parts facilitating frequent preventive maintenance and minimizing costly downtime resulting from break-downs. By allowing operators to access the crane's cabin more quickly, an elevator also substantially increases the crane's overall productivity per shift.

### ELEVATOR DETAILS

Location:	Port of Kaohsiung, Taiwan
Application:	Grab ship unloader
Elevator type:	Rack and pinion
Elevator model:	ALIMAK SE 400 DOL
No. of elevators:	2
Elevator car size:	0.78 x 1.04 x 2.17 m (W x L x H)
Capacity:	400 kg
Speed:	0.76 m/s
Lifting height:	35 m
No. of landings:	4



*Alimak elevators enhances productivity at the port of Kaohsiung.*