

*Case study:*

## **55 Alimak elevators improve crane access at second-busiest US Port**



*Photo credit: Port of Long Beach*

*Port of Long Beach, California, USA*

**ALIMAK**

## Case study:

### 55 Alimak elevators improve uptime and productivity at the Port of Long Beach, California – the second-busiest port in the United States.

The 3,200-acre Port of Long Beach in southern California is the second busiest port in the United States and the 15th busiest container cargo port in the world. With 71 post-panamax gantry cranes in operation, the Port of Long Beach handled more than 7.31 million containers (TEUs) in 2007.

In 1986, Alimak delivered the first of eight Alimak Scando Mini 2/10 elevators to provide improved access to the port's container cranes. Since then, 47 additional Alimak elevators and 4 Champion elevators have joined the port's crane elevator fleet.

#### Uptime and productivity are key

With vessel turnaround schedules measured in hours, it is imperative to maximize crane uptime. Alimak rack and pinion elevators provide reliable, efficient access to the top of the crane for men, tools, and repair parts, facilitating frequent preventive maintenance and minimizing costly downtime resulting from breakdowns. By allowing operators to access the crane's cabin more quickly, an elevator also substantially increases the crane's overall productivity per shift.

Alimak elevators are designed to operate in demanding industrial environments, outdoors and indoors. Because an Alimak rack and pinion elevator carries its own machinery, it does not require an expensive machine room or load-bearing elevator shaft. Alimak crane elevators are installed in almost 100 countries around the world, with close to 3000 Alimak elevators installed in ports worldwide since 1971.



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#### ELEVATOR DETAILS

Location:	Port of Long Beach, California, USA
Installation year:	1986–2005
Application:	Ship-to-shore gantry cranes
Elevator type:	Rack and pinion
Elevator models:	7 x ALIMAK SCANDO MINI 2/10
	10 x ALIMAK SCANDO MINI 4/9
	6 x ALIMAK ALICOM 680 Special
	10 x ALIMAK SE-3 FC
	14 x ALIMAK SE-4 FC
	6 x ALIMAK SE 400 DOL
	2 x ALIMAK SE 450 FC
	4 x CHAMPION US-900
Lifting height:	Varies between 25 m to 48 m