

# Alimak lift at work: Rohoznik cement plant, Slovakia



# Alimak lift improves access on the plant's preheater tower

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An Alimak lift has been installed on the Rohoznik Cement Plant in Slovakia, located about 40 km north of the country's capital, Bratislava. The lift has a payload capacity of 2000 kg/26 persons, and utilizes frequency controlled motors for smooth operation. The Alimak lift is used for service and inspection on the plant's new preheater tower, up to a total height of 89.2 metres. The lift is equipped with a modern microprocessor-based control system, an emergency telephone, and an overload sensing device.

The lift was installed following a plant modernization project. With an annual output of up to 130,000 t grey clinker, the plant is one of the most efficient and modern in Central Europe.

## Lift design

Alimak lifts are designed to operate in demanding industrial environments, outdoors and indoors. The Alimak rack and pinion drive system offers advantages over wire rope and hydraulic lifts. Because the lift carries its own machinery, it does not require an expensive machine room or load bearing lift shaft.

The rack and pinion lift also has safety advantages over traction lifts. In a power outage, the car slides back to the nearest landing by gravity at controlled speed, using the centrifugal brake. If the rated speed is exceeded, the car is stopped automatically by a safety device.

The range of Alimak industrial lifts is available with capacities of between 300 kg – 2,400 kg, and features 30 different-sized standard cars, up to a maximum 1.56 m x 3 m. Travelling speeds are up to 1.0 m/sec, and lifting heights can be up to 250 m with standard accessories. Special lifts have been supplied with up to 24 tons capacity.

Alimak lifts are designed to withstand tough environments, such as high levels of cement dust in combination with high temperatures.



## DETAILS

<b>Location:</b>	Rohoznik Cement Plant, Slovakia
<b>Installation year:</b>	2004
<b>Application:</b>	Preheater tower
<b>Lift type:</b>	ALIMAK SE 2000 FC
<b>Capacity:</b>	2,000 kg
<b>Lift car size:</b>	1.56 m x 2.60 m x 2.17 m (W x L x H)
<b>Speed:</b>	0.6 m/s
<b>Lifting height:</b>	89.2 m
<b>No. of landings:</b>	8

[www.alimakhek.com](http://www.alimakhek.com)

Alimak AB is ISO 9001 Certified

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