

**Alimak lift at work:  
Callide "C" power station, Queensland, Australia**



# Alimak lift improves access inside the chimney

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An Alimak service and inspection lift was installed in a new 220-meter chimney stack at the Callide Power Station in Queensland, Australia.

The Australian power company CS Energy operates the Callide Power Station, a coal-fired plant in central Queensland. A joint venture by CS Energy and Shell Coal, the project included the construction of a new power station with two 420 MW units, which doubled Callide's total output.

The Callide Power Station recently embarked upon a program to reduce the amount of dust emitted by its chimneys. The Alimak rack & pinion lift installed in the new chimney facilitates regular emissions monitoring as well as general inspection, and substantially increases the safety of maintenance crews.

This Alimak lift has a capacity of 300 kg or 3 passengers. Powered by two electric motors located on the roof of the lift car, the lift travels at a speed of 1 meter per second. The unit features variable frequency controllers and serves four landing levels.

A construction hoist, Alimak Scando 20/32 dual cage, assisted in the actual construction of the stack, providing access to the jump form shutter for passengers and material (mast tower visible on the picture to the right).

## DETAILS

<b>Location:</b>	Callide Power Station, Queensland, Australia
<b>Installation year:</b>	2000
<b>Application:</b>	Chimney
<b>Lift type:</b>	ALIMAK SE-3 FC
<b>Capacity:</b>	300 kg
<b>Lift car size:</b>	0.78 m x 1.04 m x 2.20 m (W x L x H)
<b>Speed:</b>	1.2 m/s
<b>Lifting height:</b>	216.5 m
<b>No. of landings:</b>	4



The Alimak lift is used for general inspection inside the 220 m chimney stack at the Callide Power Station, Australia

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Alimak AB is ISO 9001 Certified

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