

**Alimak lift at work:  
E.ON's Cottam Development Centre Power Station,  
Retford, UK**



# Alimak lift improves access at the boiler house

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An Alimak rack and pinion lift has been installed on the boiler house at E.ON's Cottam Development Centre (CDC) Power Station near Retford in the UK.

CDC Power Station is a Combined Cycle Gas Turbine (CCGT) with a generation capacity of around 400MW. Using single shaft technology CDC is designed to run with an efficiency of greater than 58%. It is situated on the west bank of the River Trent, about eight miles from the market town of Retford near Nottingham.

The Alimak lift is being used for service and inspection work on the boiler house. It has a capacity of 700 kg or 6 passengers and is powered by one electric motor located on the car roof. The lift travels at a speed of 0.59 metre per second.

Utility operators all over the world have been making the investment decision to add Alimak industrial lifts to improve access and operate more efficiently. This can be a powerful part of an operator's competitive strategy in the deregulated world of generation.

Adding a lift to an existing structure is possible using an Alimak rack and pinion unit due to the fact that:

- An Alimak lift can be installed onto the existing structure in a number of places – it requires no hoist way or machine room.
- It is self-supporting and imposes only relatively small tie-in loads on the existing structure.
- The lift can be installed inside or outside, with or without a below ground pit.
- The newest ALIMAK SE series industrial grade lift comes in many sizes and capacities and can be tailored to fit nearly any situation.



## DETAILS

<b>Location:</b>	E.ON's Cottam Development Centre Power Station, Retford, UK
<b>Installation year:</b>	2006
<b>Application:</b>	Boiler House
<b>Lift type:</b>	ALIMAK SE 700
<b>Capacity:</b>	700 kg
<b>Lift car size:</b>	1.04 x 1.17 x 2.17 m (W x L x H)
<b>Speed:</b>	0.59 m/s
<b>Lifting height:</b>	29.25 m
<b>No. of landings:</b>	2

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

Alimak AB is ISO 9001 Certified

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