

*Case study:*

## **20 year old Alimak elevator gets upgraded control system and A<sup>3</sup> remote monitoring**



*Royal London Hospital, London, UK*

## Case study:

**An Alimak elevator has been in use for 20 years at the Royal London Hospital to serve the helicopter emergency medical teams. It was time to upgrade the control system and add a remote monitoring system to keep down-time to a minimum.**

The Alimak rack and pinion elevator at the Royal London Hospital in Whitechapel – known as the “trauma elevator” – serves the helicopter emergency medical teams for the removal of patients from the helipad to the wards.

The Alimak elevator was installed in 1990 and has seen 20 years of good uninterrupted service. The investment by the Barts and the London NHS trust to upgrade/modernise the Alimak elevator shows great faith in Alimak Hek and rack and pinion technology.

The modernisation work surrounded the replacement of the existing ACE controller, due to the lack of obsolete components and the number of control issues being experienced. Alimak Hek were requested to make recommendations in order to improve the controller quality, minimise the level of break downs and increase the integrity and life span of the elevator.

Alimak Hek then set about standardising the elevator control system, by fitting the new microprocessor based control system ALC-II and removing integrated door control systems. This allowed the ALC-II to control the doors directly.

### A<sup>3</sup> remote monitoring

The A<sup>3</sup> remote monitoring system was also fitted for the purpose of fault finding and advising the customer in advance of issues. A<sup>3</sup> is Alimak Hek’s online system for elevator monitoring. It collects and displays a wide variety of operational information and data. London’s Air Ambulance undertakes a total of around 1700 missions per year, so it is important that any faults are traced and cured immediately.



### ELEVATOR DETAILS

Location:	Royal London Hospital, London, UK
Installation year:	1990
Modernisation year:	2010
Elevator type:	Rack & Pinion
Elevator model:	ALIMAK ALILIFT F20
Capacity:	2,000 kg (or 26 passengers)
Speed:	0.67 m/s
Lifting height:	30 m
No. of landings:	3

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Alimak Hek AB is ISO 9001 and 14001 certified.

