



Modernisation of Hydraulic Lift in Derby Apartment Block

Properties found in many town and city locations like that of Great Northern Point in Derby form part of a residential development providing shared, leasehold ownership and managed social housing. Many of these properties are low-rise apartment blocks, some of which can date back to the early 2000s and have lifts installed to provide passenger access to the upper floors. With some of these buildings now being well over fifteen years old, their lifts, if not already modernised, will soon need attention to address potential failing reliability and to improve energy efficiency.

Recently Jackson was approached by the property managers of a four-storey apartment block in Derby and asked to provide urgent costs and proposals to modernise a hydraulic passenger lift that had become unreliable following recent breakdowns. The lift, like many others of this type, had the hydraulic tank and lift controller in a small external tank room and was the only lift serving the block.

Our solution was to replace the existing hydraulic tank, valve and lift controller with one of the latest integrated energy-efficient systems. Using the latest system, would not only improve reliability but it would also, most importantly, assist with energy efficiency. The system Jackson recommended can potentially save up to 70% of the lift's energy costs. The lift door operation was also causing concerns and our estimate included the replacement of the lift car door operator.

Following on from our budget submission, Jackson were awarded the contract to modernise the four-storey lift, which required Jackson local engineers to remove all the failing equipment prior to the new hydraulic system being installed. As with all hydraulic work, Jackson takes great care to ensure all redundant and surplus oils are correctly transported to authorised waste disposal centres.

On completion, Jackson local engineers carried out the testing, recommissioning the lift into full service.