

MODERN SCENIC LIFTS IN SHEFFIELD

Hydratec smart™ Hydraulic Duplex Lift Modernisation



In recent years, the Government, along with local councils, has been combining various services into new or recently built facilities designed to better serve the local community. However, in some cases, particularly those constructed over ten years ago, the facilities have been in regular and constant use and an upgrade of the buildings machinery infrastructure is now required.

This was exactly the case for a public building in Sheffield that was originally constructed over ten years ago. At the time, the four-storey building had two modern scenic lifts that were beginning to show signs of their constant usage.

To address the reliability issues, and working with the lift service provider, the decision was made to modernise

and upgrade the hydraulic equipment, including replacement of the two rams and lift controllers.

Hydratec was awarded the contract to undertake a complete Hydratec smart™ modernisation, including the two bore hole rams. The two, 3-stop scenic lifts were designed and work as a duplex pair so the Hydratec smart™ was configured in the same way. In this instance, the Hydratec smart™ solution utilised Bucher hydraulic iValves and Lester Controls custom-built Almega II control systems. To assist with accurate floor levelling, Hydratec also installed APS (CEDES) Absolute Positioning Systems in the lift shafts.

Now completed and fully working, the Hydratec smart™ will not only improve reliability and travel smoothness but also, importantly, reduce energy consumption.

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