

Toshiba Solutions

Air conditioning helps create new space from old

Case Study: IXL UK

Toshiba's tried and tested Super Multi VRF heat recovery system technology offers the cooling and heating solution for IXL's new London offices.



Application

This enormous slab-like sixties office block adjacent to Waterloo Station had been scheduled for demolition, but demand for central London office space brought it successfully back onto the market. Even though its roof is structurally unsuited to large roof-mounted chillers, it has been possible to provide heating and cooling comfort for the 160 people in the new IXL offices. IXL UK, a high-profile global Internet consulting and professional services company, occupies 38,000 ft² over two floors.



The solution

The age of the building means that there are no service ducts. All piping is exposed inside and outside the building. The main pipework outside has been run from the roof via a camouflaged external duct. On the inside IXL wanted an exposed-services, high-tech feel to their offices. A lot of glass, punched metal and anodised aluminium provide the desired look. The services run along the underside of the corridor ceiling. Ducts are be small and elongated to maintain head heights. Everything had to be right first time and completed to a very tight schedule.

Nine fresh air systems supply air at 12 l/s per person at 18°C to the central spine corridor. The temperature is controlled by sixteen Toshiba Super Multi VRF heat recovery systems roof-mounted on purpose-made steelwork supports. Heat recovery takes advantage of the high solar gain and the heat from the electronic equipment and facilities such as the video-conferencing suite, the kitchen and the café.

Temperature-controlled air is supplied to the offices where designers, webmasters and software engineers lead an intense working existence punctuated by sessions in the computer games rooms and cafés. 103 various indoor unit models deliver the air and assist in the control process. The Super Multi is compatible with chassis, under-ceiling units, high-walls and cassettes.

*“When it came to temperature control, what did IXL want ?
A system that could provide simultaneous cooling and heating to all of their office space.”*



www.toshiba-aircon.co.uk
Telephone: 0870 843 0333
Email: general.enquiries@toshiba-ac.com