



# Case Study West Midlands Fire Service

## Workspace Technology Provides Server Room Consultancy Services for West Midlands Fire Services for its New Corporate Head Quarters.

Plans were proposed for new Head Quarters for West Midlands Fire Services with the project being a traditional architectural lead package constructed by the appointed main contractor. As part of the project two core server rooms were to be deployed. To ensure suitability of the server rooms WMFS were looking to undertake due diligence on the design. This was to ensure that the rooms would be fit for purpose and would support the predicted communications and server equipment that would be deployed over a number of years.

WMFS tendered for a specialist to provide server room consultancy services. Workspace Technology was selected having clearly demonstrated its expertise for contemporary server room design and technology.

### The Challenge

The original brief was to understand the I.T requirements of WMFS, to review the current server room design (part of the M&E package) and to make recommendations to ensure the final layouts would be fit for purpose.

Like many new builds the server room space was seen as a secondary requirement. Due to the critical 'life saving' nature of the services delivered by WMFS, I.T availability was paramount.

### Workspace Technology...

- Reviewed the current server room design and made recommendations ensuring that the final layout would be fit for purpose.
- Produced a full set of 'recommended' drawings and design brief detailing all aspects of the server room fit-out.
- Day One and future maximum room loads were calculated .
- Planned the space for maximum cabinet deployment with full service access.
- Provided details of monitoring, cable routing and power distribution which formed part of the consultancy engagement.

### Standards & Accreditations





Following a review of the requirements it became clear that the original procurement and deployment plan needed to be amended to ensure that the completed Server Room fulfilled West Midlands Fire Service's exact requirements. Workspace Technology organised a design meeting at short notice with all parties present to understand the proposed technology and survey the physical space.

**Once a server room's core infrastructure is deployed and live it is very difficult and expensive to correct the problems. With a typical 15-20 year life of a server room facility, it is of paramount importance that the infrastructure is correct at the outset of any design and build project.**

## The Solution

Workspace Technology employed its 'EcoDesign™' principles for server room technology. EcoDesign™ represents Workspace Technology's commitment to help clients reduce their carbon footprint through the deployment of energy efficient technology and designs.

Based on the already constructed rooms and in a limited amount of time, Workspace Technology helped produce a full set of 'recommended' drawings and a design brief detailing all aspects of the server room fit-out.

Day one and future maximum room loads were calculated. Workspace Technology recommended AC positions and planned the space for maximum cabinet deployment with full service access. Details of monitoring, cable routing and power distribution all formed part of the consultancy engagement. The overall design will help WMFS deliver a more energy efficient solution with improved Data Centre Efficiency (DCE) ratios, now and in the future.

**"Workspace Technology made a significant contribution to ensuring that the investment within the server room was maximised".**

DannyMcMillian, Secondee to the WMFS Relocation Team



'Workspace Technology's commitment to help clients reduce their carbon footprint through the deployment of energy efficient technology and design'

## EcoDesign™

- 'Right Size' Infrastructure
- Prevent Cold Air 'Leakage'
- Efficient Air-Conditioner Architecture
- Implement AC Equipment Energy Saving Features
- Efficient Floor Layout
- Efficient UPS Equipment
- Balanced 'Vented Floor Tiles'
- Co-Ordinated Air-Conditioners
- Energy Efficient Lighting
- Install Blanking Panels
- Measurement



## Interested in finding out more?

Our friendly team are on hand to take your call on **0121 354 4894** or send us an email at [sales@workspace-technology.com](mailto:sales@workspace-technology.com)

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