



Data Centre Planning and Relocation



IT Fit Out and Relocation



IT Scheme Design & Cost Plan



Data, Telephony & Audio Visual Design



Infrastructure Planning

CASE STUDY: DATA CENTRE RELOCATION. 88 CABINETS. 370 SERVERS.

The Challenge

- Our media client needed to exit their existing London office due to a fixed lease end date.
- The company had two existing Data Centres on site, which accommodated a total of 370 servers, three SANs, two tape libraries and network infrastructure to support two separate networks.
- At the time of the Technology Moves Consulting (TMC) appointment, the client had not determined if they would build a new Data Centre in their new office or if they would migrate their hardware to a hosted Data Centre environment.

Data Centre Strategy

- TMC worked with the client's technical teams to validate the requirements for the new Data Centre space. This especially focused on power requirements, heat loads and demand planning considering the already started virtualisation programme that the client was adopting.
 - TMC worked with a professional construction team to cost the build of a new Data Centre within the client's demise.
 - TMC also short listed and negotiated terms with three external Data Centre hosting providers in order to construct a business case for the long-term location of the Data Centre. This was presented as a Board paper as part of a Data Centre Strategy deliverable.
 - The client chose to build a new Data Centre (to accommodate 88 cabinets) in their new office space in West London.
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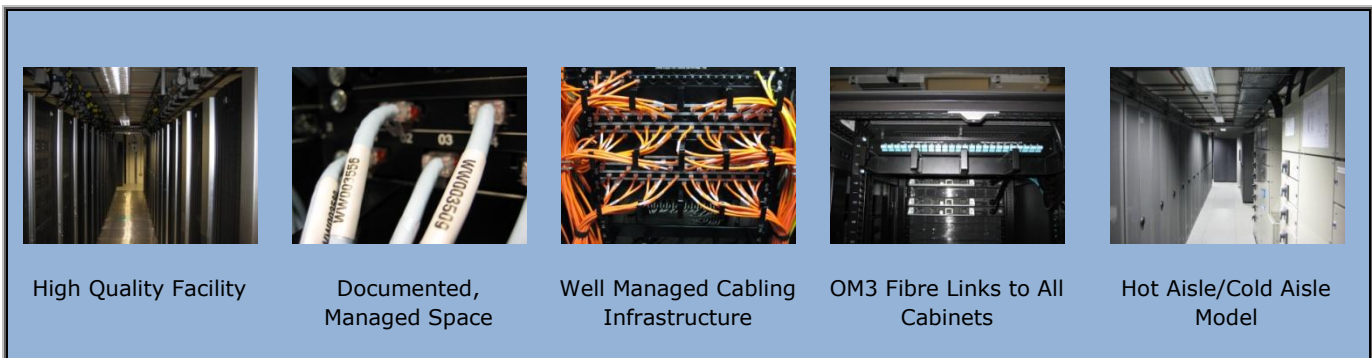
Migration Planning and Procurement

- TMC worked in close collaboration with the client's technical teams to plan the Data Centre move.
- The project was broken down in to a number of agreed work packages, with the majority of analysis being centred on the network migration and server/storage migration approaches.
- TMC chaired a number of design and planning workshops and managed the creation of detailed design documentation to ensure full coordination of all activities.
- TMC managed the procurement of hardware and services required to facilitate the migration. This included a Cat6a structured cabling system, Cisco and HP 'swing' hardware, a number of new HP cabinets for the new Data Centre, B-end shifts of existing telco circuits and the appointment of a contractor to physically relocate the hardware.

Data Centre Migration

- Technology Moves Consulting accepted the new Data Centre on behalf of the client and then managed the migration of the IT services from the old sites to the new facility.
- The network and circuits were relocated over a two week period, with all connections fully tested and a link to the client's Disaster Recovery site established.
- The servers, SANs and tape libraries were relocated over four consecutive move weekends with no unscheduled downtime.
- TMC were responsible for project managing all Data Centre migration activities, working with the client's technical teams to ensure that all services were relocated successfully.

The Results



- No unscheduled downtime.
- Well managed, documented environment which allows the client to pro-actively manage its' infrastructure going forwards.
- High level power bus-bar system which allows 3-phase power from any location within the DC.
- UPS and generator backed facility to provide 100% uptime.