

BRADFORD DC



WEST YORKSHIRE
POLICE

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Bradford Data Centre Specification

The data centre has capacity for circa 250 48u cabinets, with each cabinet being fed by two independent 32amp commando feeds.

The site has 8 Denco AHU's (N+1 when fully loaded), with dedicated generators for both building and data centre which will be expanded upon as capacity grows, along with N+1 UPS which at current utilisation is capable of providing over two hours on battery power alone.

The data centre conforms to IL4 classification.

All the main Telco's have presence and have circuits terminated at the site.

Security Access

3 card swipes required to enter building, 2 factor biometric/card swipe to enter IT area, a further 2 factor challenge to enter the data centre.

The site is manned 24/7/365.

Physical Monitoring

Netbotz / InfrastruXure Central

1 x Infrastruce Central server

6 x Netbotz 550s

17 CCTV cameras

Temperature, Leak and Humidity detection

Rack PDU monitoring

Fire System monitoring

Generator Monitoring

Switchgear monitoring

AC monitoring

UPS monitoring

UPS

3 x APC MGE 250Kw UPS

Generator

Incoming supplies of 1000kva (to the building)

Dedicated Data Centre Generator System 1100kVa

Power Supplies

Each cabinet is supplied with 2 x 32amp PDUs

Air Handling

8 x GEA Denco D63 AVH Units & 16 x GEA Denco External Condensers 60kw each built in humidifier. (Air Con Units Total Capacity 504Kw)

WYP Network Connectivity (replicated at Wakefield data centre)

Core Network 2 x 6509 cisco switches

Core San Fabric 2 x Switches Cisco MDS 9513

Interconnects (Diversely routed DWDM)

2 x Ethernet links 10Gb between Data Centres (Dudley Hill - Wakefield)

4 x Fibre Channel 2Gb links between Data Centres (Dudley Hill - Wakefield)

Fire Suppression System

FM200 & VESDA

BS 7273 -1 Code of Practice for operation of Fire Protection methods Part 1 electrical activation of gaseous total flooding

extinguisher systems.

BS 5839 - 1 2002 plus A2 2008-11-26

BS 6266 - 2002 Code of Practice for the protection for electronic equipment installation.

Consists of a double knock type installation with the air conditioning shutting down within the discharge period of the gaseous system activating.



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