



Network-i UK Data Centre 1 (UKDC1): Slough, UK

This document provides details about our Slough, UKDC1 Data Centre and its capabilities.

Space

Data centre is approx. 12,000 square feet, with approx. 9,000 square feet of floor space.

- › Custom built in 2008
- › Latest Data Centre technology such as HiFog Gas Free fire suppression systems
- › Free Cooling environmentally friendly chiller plant
- › Caterpillar generators
- › 19" cabinets – 47U, 1200mm deep, locked; zero U metered power strips
- › Cages - locking full metal panel cage space available as customer specified option
- › Raised floor – 600mm

Power

- › 1.5 MVA of directly fed 11Kv incoming power, to two Network-i owned redundant transformers
- › Standby Caterpillar generators (N +1) with fuel to run at full load for 3 days
- › 3 Days fuel (13,000 litres) kept on site (refuelling on the fly possible)

- › 4 hour Guaranteed Fuel Delivery SLA
- › Standby power infrastructure tested monthly, black building tests quarterly
- › Ability to shut down UPSs to perform maintenance, upgrades, etc. without affecting or interrupting data centre operations
- › Redundant & independent power feeds are standard to cabinet or cage.
- › All systems are under platinum service contracts
- › Customer access to web portal for real time power monitoring & management

Environment

- › Full data-grade HVAC system, incorporating latest 'Free Cooling' passive cooling technology
- › External Libert chillers 840KW each, working in rotation
- › Each Data hall has multiple Downflow units, working at 40% capacity each with inbuilt dehumidifiers
- › 22 degree C ambient air temperature (+/- 5 degrees)
- › 48% humidity (+/- 5%)

Telco/Network

- › Redundant diverse links between the UK data centres and Telehouse, London
- › Network carriers include Virgin Media, BT, Cogent, Level3, Vodafone / C&W, EU Networks & Zayo / Abovenet
- › Ability to backhaul any carrier / traffic at Layer 2 or Layer 3 from London Telehouse to our facility
- › Network-i has its own IP address space and autonomous system number, running Border Gateway Protocol with full IPv4 Internet table routes with redundant Tier-1 carriers to provide optimum routing paths

Prevention/Recovery

- › Generator plant is sized to run entire site at full load for 3 days and tolerate complete failure of one generator without issue
- › Early-warning VESDA fire detection system, as well as smoke and high temperature detectors
- › Dry-pipe, pre-action, double interlock fire suppression system
- › Fire Suppression System is a Pre-Action HiFog System, localised operation meaning suppression only in area of fire
- › Systems monitored on-site and by Network-i's Network Operations Centre (NOC)

Monitoring

- › Customer IT infrastructure monitored by two redundant NOCs staffed 7x24x365
- › Facility is physically manned 7x24x365
- › Extensive array of monitoring tools, including leading commercially-available and Network-i proprietary tools
- › Facilities monitoring on all critical electrical components and HVAC
- › Monitoring and logging of swipe card access system, logs reviewed monthly
- › Video surveillance internally and externally, monitoring the entrances and the data centre floor monitored by on-site personnel and NOCs

Security

- › Building is locked down 7x24x365, surrounded by security fencing and physical access deterrents such as Rhino Bollards
- › Secure dual managed gates to premises (Mantrap)
- › Offices/common areas isolated from the data centre
- › Mandatory visitor registration and visitor escorts; Mandatory employee badge access
- › Card reader for building access at all interior and exterior doors, visitors only have access to Data Halls and common areas
- › Bonded security staff
- › HD CCTV cameras covering all aisles and building perimeter
- › 7x24x365 video surveillance/recording inside and outside the building

Data Centre Current Certifications

- › SSAE 16 Type II
- › ISO 9001
- › ISO 27001



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