

Datasheet

Redhill Colocation



Courtesy: Digital Realty

This facility is within a high security grade building, with high power and cooling density. Customers have a choice of multiple network carriers offering flexible connectivity and a resilient dark fibre connection between the Redhill DC, the Woking DC and Telehouse locations, delivering a high availability, triangulated network optimised for data synchronisation and replication as well as disaster recovery.

This document provides details about our Redhill Data Centre and its capabilities.

SPACE

- 496m² of raised floor
- Slab-on-grade (concrete) floor with remote water detection monitoring
- Rittal TSIT 600 x 1000 cabinet
- Cages available
- Floor loading - 12.5 kN/m²

POWER

- 1000 kW
- UPS - N+N providing 1600 kVA each stream (1440 KW) 6 minute battery, 10 year life. Via 2 No.800 kVA units each stream. Power Generation Capacity (kW): 1250
- Generators - N+ 1 - 2 no. 1875 kVA LV Sets to meet load with additional swing (3 No.gen sets in total)
- PDU - A+ B Perimeter PDU's each containing 4 no. 250A outgoing breakers

ENVIRONMENT

- Cooling provided by Free Cooling Low Noise Chillers N+1, dual fed single loop heavyweight steel PN16 rated. Joints screwed and welded.
- Direct Steam Injection from AHU's
- Temperature range control - 26 +/- 1.5°C measured at CRAH return air
- Humidity Control via AHU. Relative humidity will be within ASHRAE guidelines 20 to 80%

MONITORING

Fire Systems:

- High pressure water mist system to the Data hall and UPS rooms. The system is a double knock dry pipe system. Dry-pipe, pre-action, double interlock fire suppression system

Control Systems:

- Foreseer Monitoring system used for monitoring the facility's internal environment, power and HVAC, etc.
- NOC and Facilities personnel onsite 24x7x365

Physical Security:

- Mandatory visitor registration and visitor escorts, as well as mandatory employee badge access
- Single authentication required for access to the building
- Dual authentication required for access to the data centre
- 7x24x365 video surveillance /recording for inside the building

TELCO

- Diverse routes to site. Two 'Point of Presence' rooms located on opposite sides of the building
- We have our own IP address space and autonomous system number, and are running Border Gateway Protocol with full Internet table routes to ensure dynamic re-routing of data if any links are interrupted

Network Carriers

- BT
- Colt
- Verizon
- Virgin
- Vtesse
- Level 3

PREVENTION/RECOVERY

- Generator sized to run entire site at full load for 24 hours minimum
- Systems monitored on-site and by Network Operations Centre (NOC)

MONITORING

- Customer IT infrastructure monitored by two redundant NOCs staffed 7x24x365
- Third party maintenance audit and verification managed and monitored by Ascent Corporation through IBM's Facilities Management System
- Extensive array of monitoring tools, including leading commercially-available tools and proprietary tools
- Technology agnostic (can receive events from a variety of sources, including agent-based and agent-less, SNMP, MIB, MIB2, OpenView, etc.)
- Customer has the ability to use a management portal to view both event and performance data
- Facilities monitoring on all critical electrical components and HVAC
- Monitoring and logging on card access system, logs reviewed monthly (per audit)

SECURITY

- Offices/common areas isolated from the data centre
- On-site, 24x7 security staff
- 24x7x365 video surveillance

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They trust us because we hold the highest accreditations with the main IT vendors and deliver on our promises. That confidence in our capabilities has translated to the cloud services division, with both new and existing customers leveraging the portfolio of offerings.

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