



0161 711 0777 | datacentre@itility.co.uk | www.itility.co.uk

Belle Vue - Manchester DATA CENTRE



HIGHLY ADVANCED DATA CENTRE PURPOSE BUILT TO DELIVER UNRIVALLED FLEXIBILITY AND OPTIONS

Ilility Ltd data centre in Manchester, comprises 8,900sqft total available space. The site is approximately 2 miles from the City Centre, 2 miles from Manchester Piccadilly train station and 15 mins from the M60. This controlled environment houses a multi million pound data centre and support team.

Belle Vue data centre has been expertly crafted by design to deliver only the very best environment for you to host your critical IT infrastructure. We provide peace of mind that your business enabling systems are in the safest environment available.

OUR BELLE VUE FACILITY DELIVERS THE HIGHEST QUALITY DATA CENTRE ATTRIBUTES YOUR BUSINESS DEMANDS

POWER:

Belle Vue data centre delivers up to 10 kw per rack

FLEXIBILITY SCALE:

We offer unparalleled flexibility both in terms of our bespoke rack and power pricing rates, alongside our ability to cover all your immediate and future IT service requirements

LOGISTICS:

Secure Goods Loading and Unloading Bay
Direct Lift Access to all floors.
Dedicated Meet me and Build room

COST REDUCTION:

save money on all you IT Infrastructure costs both in terms of your Capital Outlay and Operational running costs.

CONNECTIVITY:

Exceptional Local area network (LAN) speeds are provided to all customers up to 40Gb through a low latency Juniper QFX Network. Wide Area Network connectivity at native speeds (Internet 10 Gb upward! is provided by multiple national carriers located in our access controlled comms room.

SUPPORT:

Enjoy 24/7 Dedicated IT Network Operations Centre support, 7 days a week, 52 weeks of the year for all your mission critical IT services.



YOUR CRITICAL IT SYSTEMS ARE IN SAFE HANDS WITH OUR STATE OF THE ART DATA CENTRE INFRASTRUCTURE

NO EXPENSE HAS BEEN SPARED TO DELIVER THE HIGHEST STANDARDS ACROSS ALL ASPECTS OF THE FACILITIES DESIGN.

POWER:

Our own substation on-site delivers 2MW in to the facility, delivering up to 1 OkW of always available redundant power supply.

- N + 1 Riello Intelligent UPS Units
- On site dedicated substation delivers 2MW
- 2 x SDMO 660 kva Standby Generators
- Diesel 900 Litres x 2 with 8hrs run time
Back up Standalone 5000 Litre Capacity Diesel tank
48hrs runtime 24hr Petroleum Contract in place

COOLING:

Cooling is provided via a dedicated HVAC system delivering stable air flow around the facility.

Precise cooling is provided in the racks by dedicated Emerson pod mounted N+ 1 A/C cooling units.

BUILDING SECURITY & ACCESS:

ITility Group have established a consistent security and access system across all facilities. The Belle Vue facility boasts state of the art security cameras and monitoring, fully manned 24/7 CCTV pods internally and externally. All entries into the facility are monitored, tagged and stored on our central security database for a set period of time. Robust building access is controlled by the use of digital access panels requiring two layers of authentication via both fob and key code.

- 24/7 monitored CCTV on the exterior of the building
- Gated car park with dual authentication access control pad
- Audible & visual alarms fully connected to the NOC
- Onsite personnel
- Isolated security system back up power supply





SETTING THE STANDARDS FOR DATA CENTRE QUALITY

FIRE SUPPRESSION:

Our fire suppression system is linked centrally to the building management console and is monitored 24/7 from within the NOC. Carbon Dioxide extinguishers are affected upon detection, firstly by decreasing the oxygen level below 15%, most fires are un-able to maintain combustion at such low levels. A secondary layer of protection is initiated by cooling and heat absorption.

- Three stage suppression and detection system
- VESDA protection to all floors
- FM200 Gas Protection
- Smoke and heat detection units are located throughout the facility and also provide extra protection from within the dedicated hosting pods
- Emergency exit safety functions and procedures are in place within in each SmartAisle pod
- The fire suppression systems are constantly monitored over all iRack locations.

MONITORING:

Critical infrastructure of the facility including power management, HVAC, Security Systems, Fire suppression and more are constantly monitored both locally and via our Network Operations Centre (NOC).

- Onsite personnel
- Automated activation system for fire suppression and HVAC controls
- Central security control and override for all facility access points
- Direct authorities line
- System performance, analytics and reporting



KNURR SMART AISLE PURPOSE BUILT CONTAINMENT PODS ARE AVAILABLE THROUGH THE FACILITY



We have purpose built energy efficient aisle containment pods specifically for our co-location customers. Knurr row-based containment solutions can accommodate both standard and non-uniform hot & cold aisle configurations as required by your specification. Hot & cold aisle configuration separates the different air streams to improve data centre infrastructure efficiency. Physical barrier containment optimises this configuration for better cooling operation and higher efficiency.

Modern businesses depend on adaptable technologies to help them respond quickly to market demands. Your data centre environment must be built on a support infrastructure which has been specifically designed to match the power and cooling needs of rapidly changing and critical IT systems. IUtility Group ensures you have the products and support that ensure your IT systems will operate reliably and securely within in these environments.

ATTRIBUTES:

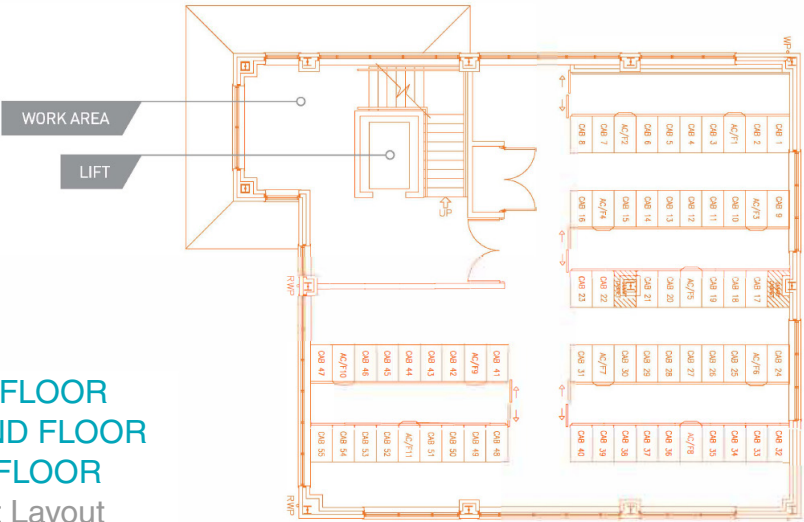
- Hot & cold aisle predictable temperature control
- None raised floor with Liebert precise cooling
- Up to 1 OkW/rack with perimeter cooling
- Secure key fob access control
- 24/7 access monitoring cameras on all pods.



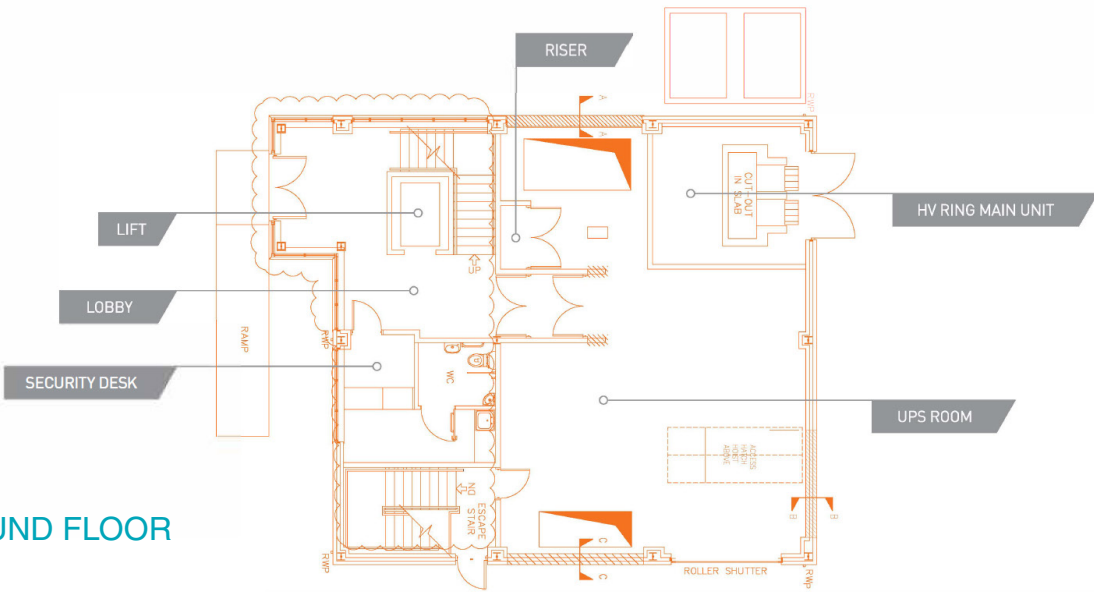
BELLE VUE - DATACENTRE

FLOOR PLANS

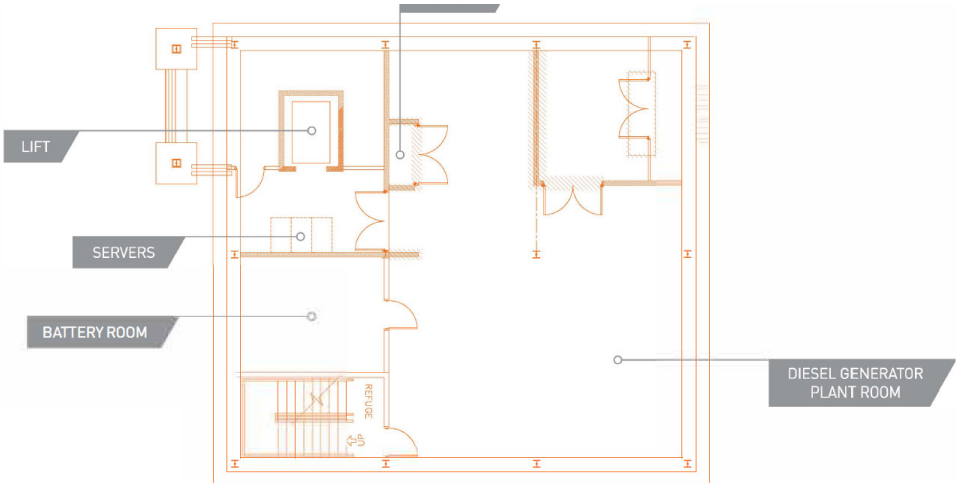
THIRD FLOOR
SECOND FLOOR
FIRST FLOOR
Cabinet Layout



GROUND FLOOR



BASEMENT



BELLE VUE - SCULPTURED BY INDUSTRY LEADING ENGINEERING EXPERTISE AND CUTTING EDGE TECHNOLOGY

DESIGNED FROM THE CORE TO DELIVER HIGHLY ENERGY EFFICIENT & COST REDUCING HOSTING ENVIRONMENTS

BELLE VUE CO-LOCATION DATA CENTRE

SPECIFICATION

GENERAL

Total area	Building total 8,900sqft2, Total rack space 5,340sqft
vFloor loading	Point loading of computer floor 1000kg
Carriers	Packaged independant IP Transit from a number of Tier 1/Tier 2 carriers including customer's own preferred carrier neutral connectivity delivered directly to the Data Centre
Connectivity available	LAN Port speeds up to 40Gb through a low latency Juniper QFX Network. WAN connectivity at native speeds, Internet 10Gb upward

MECHANICAL INFRASTRUCTURE

Environment control	21 degrees C \pm 3 degrees C and humidity at 50% \pm 10%, with a cooling load per rack of 5kW at full occupancy
Air conditioning system	AC System Emerson Pod Mounted N+2

ELECTRICAL INFRASTRUCTURE

Utility supply	Own substation 2MW dedicated supply
Standby diesel generator	2 x SOMO 660kva standby generators
Standby generator capacity	Total capacity 1320kva
Operational capacity	Our own substation on-site delivers 2MW in to the facility, delivering up to 1 OkW of always available redundant power supply
UPS modules	3x Riello UPS units
UPS capacity	N+ 1 current 2 x 600 KVA in parallel with infrastructure to add more units as load requires
Autonomy period	25 minutes at full rated load
Power to equipment	UPS protected, dual supplies to each rack Standard offering is Dual A + B 32AMP blue commando type socket overhead.

FIRE DETECTION/SUPPRESSION

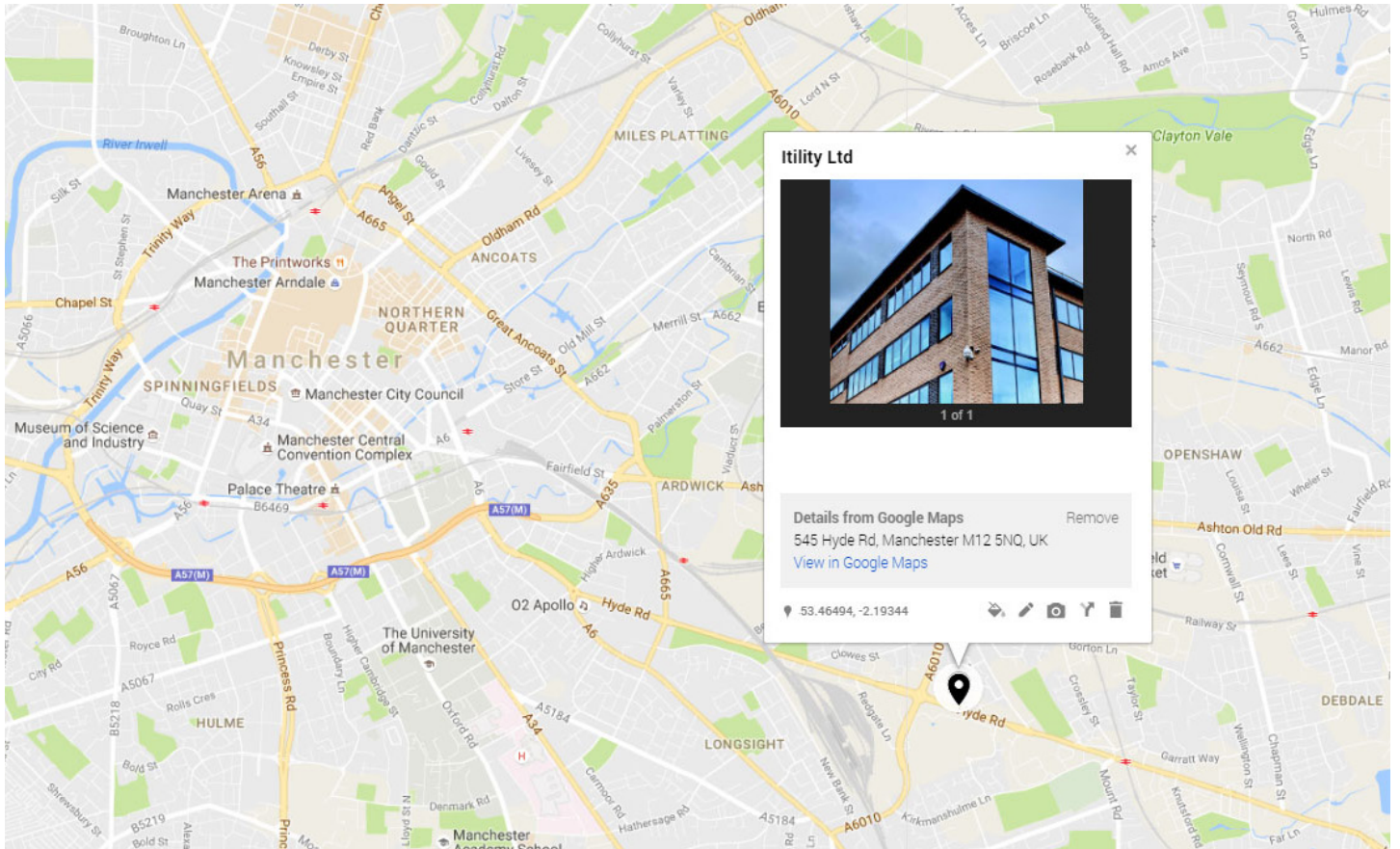
General	System comprises of three stage detection
First stage detection	VESDA detection provided to all data floors
Second and third stage detection	Fully addressable analogue alarm system Double knock condition will initiate gas
Gas suppression	FM200 gas protection provided in all data suites

SECURITY

Manned security	24 x 7 x 365 security cover
CCTV	Full Coverage of external [speed domes movement sensors]/ internal areas, including data centre rooms and authorized access areasV
Access	Fob and pin access
Site entrance	Access policy

CONTROL SYSTEMS

Building management	Alarm monitoring system; reports on electrical, mechanical, temperature, humidity, fire, security and access control.
Delivery	Lorry access to loading bay. Facilities provided: secure delivery area; secure storage area, secure rack build area, Lift to all computer floors



Partners



Awards



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ITILITY LIMITED, 545 HYDE ROAD, MANCHESTER, M12 5NQ
T: 0161 711 0777 | E: datacentre@itility.co.uk | W: www.itility.co.uk