

 Host

# Datacentres & Colocation



 24Seven  
Connectivity without compromise

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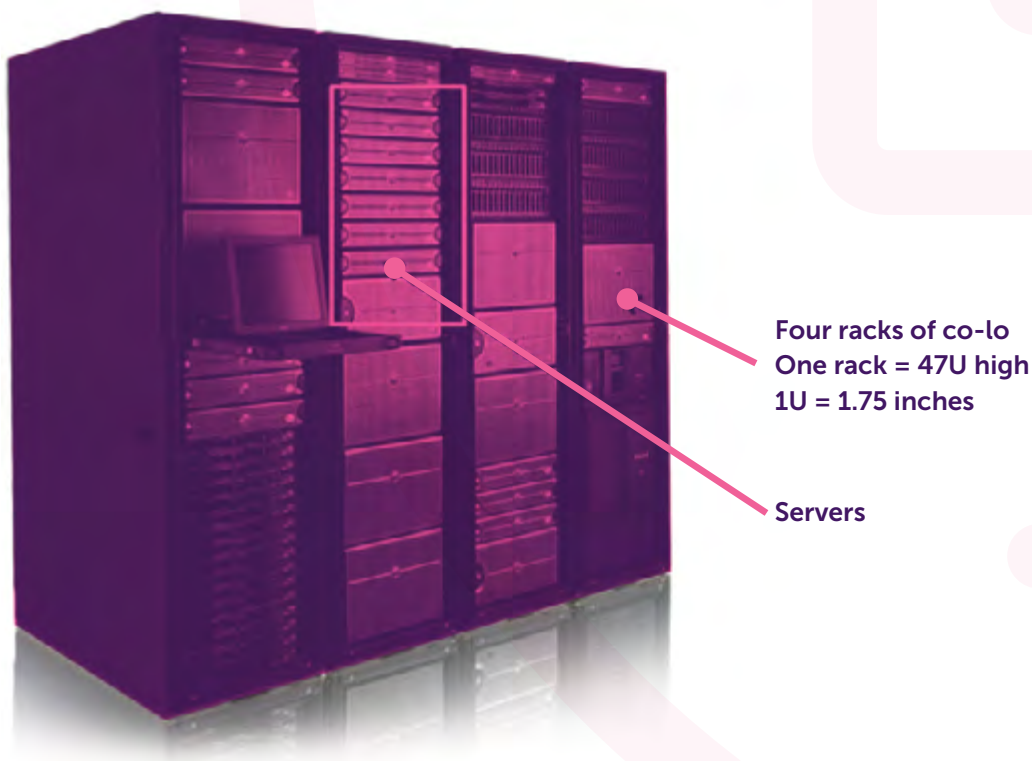
**Stability, security and privacy – paramount to your business needs**

M24Seven Colocation allows customers to place their server(s) in M24Seven's data centre and benefit from sharing the costs of the physical infrastructure.

With M24Seven colocation, the customer owns the server and they rent the facility and network expertise. M24Seven provides the infrastructure and Internet access to the server.

Colocation with M24Seven offers a true 24/7/365 Internet presence with a direct connection to a fully redundant, self-healing IP network backed by the reassurance of a Tier 2-3 secure facility.

## **A typical Colocation set-up**



The above image is what colocation looks like. Datacentres have long rows of communication racks so that air conditioning and power can be distributed intelligently.

# Our facilities - datacentre specifications

## General specifications

- Pre-populated with high quality 47U cabinets
- Immediate availability of 47U, 22U and 11U cabinets
- Full private cages available with dedicated power options
- 24/7/365 physical access for customers
- Overhead data cable distribution
- Committed R&D programme and test laboratory
- 24/7/365 onsite engineering support
- Various support contracts to suit your needs
- Full accreditation for ISO 9001 : 2008 Quality Management System

## Connectivity and network capacity

- Multiple diverse and redundant optical fiber entry points
- 1 Tbits of live Internet connectivity
- Cost effective IP transit available
- Cost effective Layer2 Ethernet circuits
- Extensive and expanding advanced 10 / 100 Gbps IP and a MPLS network connected directly to 16 of the world's largest and most important Internet exchanges
- Resilient European network ring spanning Bucharest, London, Manchester, Amsterdam, Frankfurt, Paris, Brussels, Milan, Madrid, Budapest, Vienna, Zurich, Sofia, Los Angeles, New York and Miami
- Direct peering relationships with 80% of all the European ISPs
- Range of national and international network operators and carriers on-site including NTI, Telia, Leve13, GTI, Cogent, TelecomItalia, BT, VirginMedia, TalkTalk, Sky, LibertyGlobal

## Equipment housing

- High-power-density configurations
- Shared rooms, secure cages and racks, private rooms
- Remote hands-and-eyes and 24/7 engineering installation and maintenance
- Full range of connectivity, management and backup solutions
- Delivery reception and store-before-install options

## Private rooms

If security or privacy is paramount to your needs, a private room is the best solution for you. Power supply and access systems to your area are dedicated exclusively to your needs for maximum security and availability.

## Shared rooms

M24Seven can provide a dedicated area, within a shared room, into which you can install your own cabinets. These will occupy a shared area alongside equipment belonging to other M24Seven customers. Each cabinet is supplied with a dedicated dual power feed which is drawn from a shared power distribution system. Cable trays are included and you enjoy all the standard sophisticated climate control, UPS, security and fire prevention that we have to offer.

## Cages

11 u/22u/47u – Although still located within a shared area of the datacentre, a cage provides you with space separated from our other customers. You will share power distribution, UPS, fire prevention and climate control systems with the other clients

## Individual locked racks

Being a minimum security measure, many customers take advantage of this facility and, of course, they also benefit from the standard security measures taken throughout our datacentres – shared power distribution, UPS, fire prevention, climate control.

## Guaranteed power

- Resilient N+ 1 UPS power protection
- Multiple layers of guaranteed and tested power redundancy
- Fully automatic diesel power generation
- Fuel storage on-site with refueling SLA from two separate depots
- Sophisticated fuel gas cleaning system and contamination prevention filters
- Full mains failure simulated in monthly test
- Dedicated onsite High-Voltage substations
- 32 amps A + B power feeds available



## Why M24Seven datacentres?

Equipment Housing at M24Seven – state of the art, secure, efficient and green datacentres.

Our massive colocation capacity in a Tier III carrier neutral datacentre, wholly owned by M24Seven, coupled with our range of resilient IP connectivity services, means that we can accommodate virtually anything you ask. Maintained around the clock by highly skilled staff, our state of the art datacentre is designed and equipped to the highest standards.

Our colocation service is highly flexible and can be tailored to meet your specific needs. We can provide any configuration to suit specific needs. Partial racks, full racks and cages are all available depending on what you require. We provide a wide range of services that can complement the colocation of your equipment private VLANs, cross connects, specific cable runs and a scalable level of management and support.

## Carrier neutral Colocation

- 400 sqm fully equipped that can be expanded to 1000 sqm
- Dedicated 1 MW
- Power supply via two separate routes from opposite sides of the building
- Resilient N+1 UPS power protection
- N+1 Generator device protection
- N+1 AC Cooling device
- Dedicated infrastructure from M24Seven data centres to NX1 and NX2
- 800x 1200 mm standard size of a rack unit, SOU usable, German quality
- Fire detection system (VESDA)
- INERGEN fire suppression system
- Enhanced security and the possibility of setting a PIN for each rack
- APC Switched Rack Power Distribution Units (PDUs) available for free, with monitoring and remote access



## Colocation Benefits

- **Cost-savings** – the physical infrastructure and network capacity required to operate and maintain a 24x7 Internet accessible service is hugely expensive to purchase and maintain. For businesses that have outgrown an existing on-premises facility, costs are significantly reduced by outsourcing to a service provider with economies of scale
- **Security** – Reducing risk and can be included as part of a comprehensive disaster recovery strategy, though our Tier 2 and Tier 3 data centre facilities, and providing not just the physical, but also the environmental facilities (cooling, power, UPS, diesel generator etc), with multiple fibre network circuits and common meet-me-points for both ISPs and telcos
- **Scalability** – alterations can be quickly made to the infrastructure, with great accessibility of Manchester/London/Bucharest
- **Flexibility** – instantly scale up or down at a predictable fixed cost, all backed by 99.95% SLAs
- **Separacy** – 8 different data centres across Manchester and Europe, accessible from anywhere in the world
- **Resilience** – Multiple resilient infrastructures inside each DC
- **High Capacity** – robust, reliable, resilient, high-bandwidth connectivity with multiple carriers.
- **Compliance** – for businesses with strict internal SLAs, or to provide SLAs for the products and services provided to end customers
- **Always-on** – Secure, independently-powered data centres that are protected and monitored 24/7/365

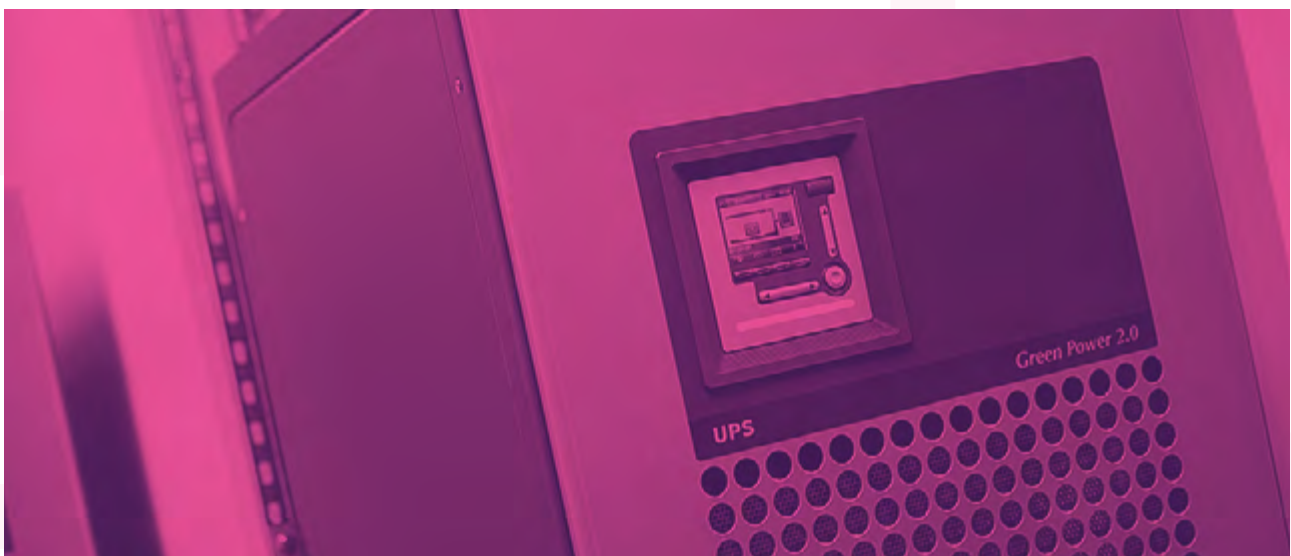


## Colocation Features

- Minimum of 11U (1/4 rack with 2 Amps of power), lockable 1/4 rack with separate PDU power, 24x7 'remote hands' support
- Options on 11-22-47U spaces
- Quick setup and handover lead times
- Scalable upgrade paths
- London and Manchester UK data centres – Bucharest, Frankfurt, Amsterdam facilities available upon request
- 99.95% Service Level Agreement
- The latest in environmental control and security systems including: smart card entry, complete CCTV, insipient fire detection and suppression, temperature monitoring
- With separate and geographically diverse power phases, redundant UPS batteries, diesel generators with fuel to run in isolation for 48 hours
- Bandwidth – Prices are dependent on location (London or Manchester) and range from 100Mbps to 10Gbps
- Optional burst facility up to 1Gbps or 10Gbps billed on the 95th percentile across a month
- Gigabit backbone with either 1Gbps or 10Gbps ports available
- Optional server backup and recovery options
- Optional Managed Firewall – virtual or physical
- Optional network load balancing service
- 5-day installation lead time
- 12-month minimum contract

## Colocation User Cases

- Ideal for companies that need to have their own hardware and software locked safely inside an Internet data centre, with excellent connectivity, physical building security, power, resilience, diesel generators, 24x7x365 monitoring, air conditioning and access to many different enhanced features, all available as standard
- Disaster recovery planning – customers may need to have their services hosted outside of their building for regulatory or insurance purposes – particularly if they hold customer data, customer credit card data and need to hold and maintain PCI-DCS compliance
- Any application that requires hosting on a server (email, website, data storage, FTP) benefits from being nearer to the wider Internet population of ISPs and Telcos
- Companies with little in-house IT infrastructure



## Security and fire protection

- ISO 27001 Accredited
- Located in secure fenced and gated compound
- Manned 24/7/365 by expert staff
- Multiple physical security layers
- CCTV surveillance cameras
- Very early warning aspirating smoke detection by VESDA
- INERGEN fire suppression system
- The building is also equipped with portable CO2 fire extinguishing systems
- Locked cabinet, cages and safes available

## Green credentials

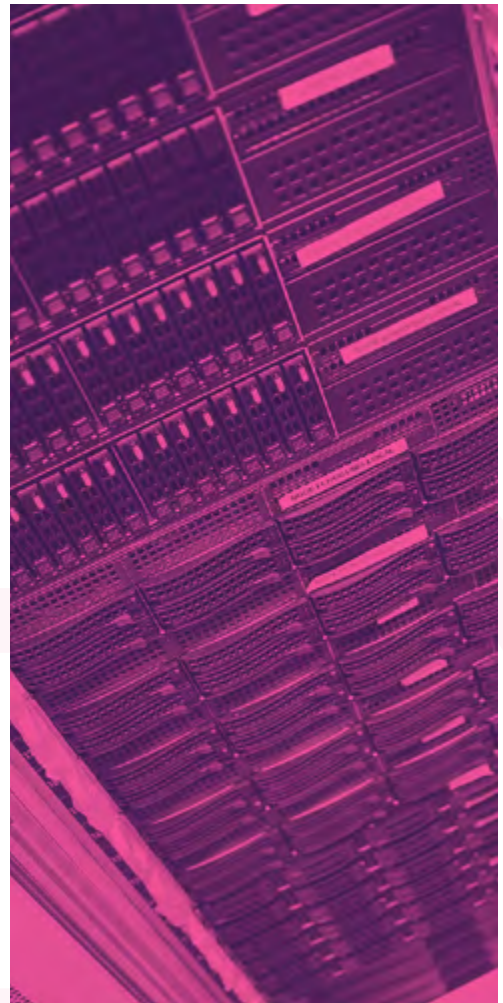
- One of Europe's most energy efficient facilities PuE < 1.4
- World class low carbon footprint climate control system
- Recycling policy
- Continuous planned upgrades to improve efficiency

## Climate control

Our data floors are equipped with state of the art redundant cooling equipment. An ambient temperature of 18 to 25°C is maintained with a humidity level of 40% – 60%.

## Comprehensive technical support

Supported 24/7/365 by fully trained onsite technicians, M24Seven has full accreditation for its ISO 9001: 2008 Quality Management System, ISO 27001 information Security Management System and ISO 14001 Environmental Management System. Our customers can truly relax knowing that their infrastructure is in good hands. We have a number of real world Service Level Agreements tailored to suit our broad based offerings.



## You may also be interested in:

**Transit – Global, Regional, partial  
IP VPN/MPLS**

**Managed Firewalls – virtual and physical**

**Managed DDoS (Distributed Denial of  
Service) protection**

**Managed Load balancers**