



London data centre

As well as being the internet and networking hub for Continent 8 Technologies, London is one of the world's leading financial and business centres in addition to being a world cultural capital. It is the world's most-visited city as measured by international arrivals and has the world's largest city airport system measured by passenger traffic. London's 43 universities form the largest concentration of higher education institutes in Europe.

Continent 8's new London location provides a great value offering to customers for services to the British Isles, Europe and beyond. Enabling separation of services whilst maintaining connectivity via our MPLS backbone, the London location provides a perfect front-end, development or disaster recovery proposition to both existing customers and future partners.

Continent 8's location in London is a purpose-built facility in the M25 / M4 corridor within easy reach of London's business centres and Heathrow Airport. This facility benefits from the highest levels of connectivity and power provision.

Services and Solutions

A comprehensive suite of services and solutions are available from our London Data Centre from traditional co-location to fully managed solutions, designed to meet your organisations needs now, and into the future.

- Co-Location Services
- Management and Monitoring (including Level 1 & 2 Support Services)
- Managed Services (server, network, storage, systems, SQL, back-up etc.)
- Redundant Bandwidth
- Global MPLS VPN Networking
- Distributed Denial of Service (DDoS) Mitigation
- Cloud Backup
- Disaster Recovery
- Project Management
- Professional and Consultative Services



London features:

- ✓ Key Global MPLS breakout location with multiple Tier 1 carrier connections
- ✓ One of the most highly connected locations in the World
- ✓ One of the pre-eminent financial centres of the world and vies with New York City as the most important location for international finance
- ✓ Over half of the FTSE 100 and over 100 of Europe's 500 largest companies have their headquarters in central London



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- Fire Protection – Marioff Hi-Fog, localised, Double interlocked dry pipe system, with VESDA
- 2 independent HV feeds directly from independent power rings of the UK national Grid
- 2 independent substations within the facility boundaries
- 4 Carrier entry points into the Facility, allowing redundant diverse connectivity options from one megabit to multi-gigabits
- Manned 24x7x365 facility, Biometric and Proximity Card access control with CCTV monitoring
- Nav-Tech radar detection system, and 3m High anti-climb perimeter fencing
- Distributed Redundant UPS configuration, maintaining Tier 3 resiliency equivalent.
- Mechanical, electrical and network systems monitored by on site expert engineers 24x7x365
- Water leak detection systems
- 1.5 - 12 kVA per rack with dual power provision
- Private backbone network to North America, Isle of Man, Paris, Milan and Malta via layer 3 MPLS network controlled by Continent 8 end to end

Power

- Standard Electrical Cabinet Capacity – 5 kVA per cabinet
- UPS Configuration – Four UPS systems comprising of 5x 400 kVA UPS modules, distributed
- Redundancy
- UPS Topology - Distributed redundancy configured as 2(N+1) at the customer rack
- 2 independent Utility Feeders from separate rings of the UK national grid
- Number of Power Transformers – Two power transformers at 40 MVA each
- Utility Voltage – 33 KV
- Standby Power – Multiple 2.2 MVA 11kV generator sets in N+2 configuration
- Standby Power Configuration – 2N
- Lighting - High frequency, low energy, CAT II luminaries

Environment

White space data halls have a raised floor of 700 mm. The rooms are sealed to prevent water damage from leaks or flooding. Cooling is provided by redundant (N+2) air cooled AHU with outside Centrifugal 1.25MW chillers capable of free cooling at 9°C. Temperature and humidity controls are designed to keep the data halls at the optimum Levels according to ASHRAE

Security

The data centre has on-site security guards 24x7x365 protected by ballistic glass, requiring Photo ID to access the facility and authorisation approval. There is a full height in and out biometric turnstiles backed by remote monitoring of Proximity control card access systems and video surveillance using digital CCTV backed by 90 days of digitally recorded material, Reinforced Mantrap and air lock room into the data hall common area. The site is surrounded by 3m High anti-climb fencing and a Nav-Tech radar detection system linked to exterior CCTV Cameras.

Connectivity

Client connectivity services are provided by multiple carriers with route and path redundant circuits to geographically diverse Continent 8 locations. This resilient network platform supports high speed IP Transit services and the provision of multi-layer enterprise class MPLS services with supporting SLAs. In addition, Continent 8 provides a further layer of DDoS protection services to safeguard customers' critical online application or service platforms.

Monitoring, Protection Systems and Support

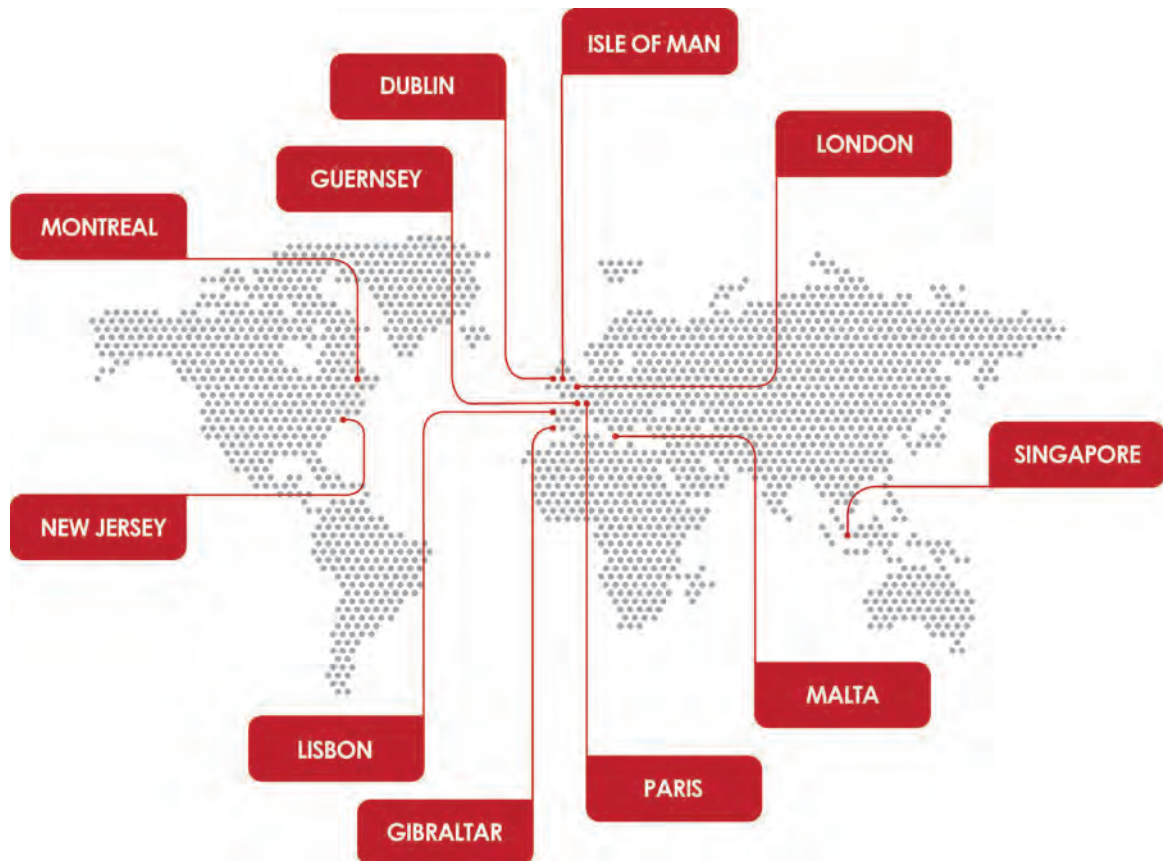
All electrical & mechanical areas are monitored via the BMS, they are protected by water leak, fire detection and suppression systems. VESDA early warning detection systems and Marioff Hi-Fog suppression is installed as standard across the facility. The 24 x 7 NOC provides monitoring and support with data centre technicians available to provide first level support services 24x7x365.

Certification

Facility supports ISO 9001: 2008, ISO 27001 and OHSAS 18001: 2007, PCI-DSS ISO14001, ISO50001

Continent 8 data centre locations:

In response to our customer base, legislative developments and the marketplace, Continent 8 embarked upon the building of additional data centres in 2007 and now provides offerings in 12 data centres across 3 continents as follows:



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