Guernsey data centre

Part of the British Isles, but not politically part of the UK or the European Union, Guernsey is the second largest of the Channel Islands, located less than 30 miles off the coast of France, it forms part of a Bailiwick, which includes the smaller island of Alderney.   An economy which includes a world-renowned finance centre, Europe's largest captive insurance sector, strong banking, investment fund and trusts sectors and a rapidly growing e-business sector.

The independence of the Bailiwick is reflected in the islands' economy and its regulatory structures. Guernsey and Alderney have established a common, advantageous tax framework under the Bailiwick of Guernsey's tax regime .

Data centres are a growing part of the Guernsey economy; building on the island's excellent infrastructure, its independent legal system, its inherent security and the wide range of professional skills associated with the finance industry.

Services and Solutions

A comprehensive suite of services and solutions are available from our Guernsey 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
• Content Delivery Network (CDN)
• Disaster Recovery
• Project Management
• Professional and Consultative Services

Channel Island features:

✓ Low Tax Jurisdiction

✓ World-class communications infrastructure

✓ Self-Sufficient power backed by connection to third party electricity grid systems

✓ Local expert dedicated business services for financial and legal support

Guernsey data centre

- Resilient power supplied by onsite substation, backed up by N+1 generators
- Redundant diverse connectivity options from one megabit to multi-gigabits
- Private backbone network to North America, London, Paris, Gibraltar, Milan and Malta via layer 3 MPLS network controlled by Continent 8 end to end
- Secure compound: 8-foot high fences, 3 strands barbed wire, security camera and lighting
- Around-the-clock personnel, CCTV and electronic surveillance, controlled physical access
- Very Early Smoke Detection Apparatus (VESDA) and FM200 floor and ceiling fire suppression systems
- Uninterruptible power supply (UPS)
- Industrial heating, ventilation and air conditioning systems (HVAC)
- Average 5 kVA per rack per rack dual power provision

Power

Providing high density rack capacities with an average power of 5 kVA per rack, the site is further backed up by a regularly tested redundant (N+1) generator configuration, capable of supporting the full data centre load for over 7 days, with priority service contracts for fuel replenishment. Power resilience is supported within the data hall by a redundant (N+1) UPS system, deployed in a parallel configuration, with a minimum of 15 min standby time. Continent 8 has invested in multi-layered power architecture to best support our customer's critical online systems.

Environment

Data halls and telecommunication rooms have a raised floor of 900 mm. The rooms are sealed to prevent water damage from leaks or flooding. Cooling is provided by redundant (N+1) HVAC units within each of the data halls. Temperature and humidity controls optimally and efficiently designed to adhere to ASHRAE standard specifications..

Security

The data centre has on-site security guards 24 x 7, backed by remote monitoring of intruder systems and video surveillance from the Continent 8 Network Operating Centre (NOC). Electronic access control to all sensitive areas and data halls, custom-made locks for customer racks, tape vaulting, and utility storage areas meet customer's on-site needs, while highly secure off-site vaults are also available to satisfy stringent security requirements

Connectivity

Client connectivity services are provided by dual carriers with route and path redundant circuits to two international Continent 8 locations in London and Paris. 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.
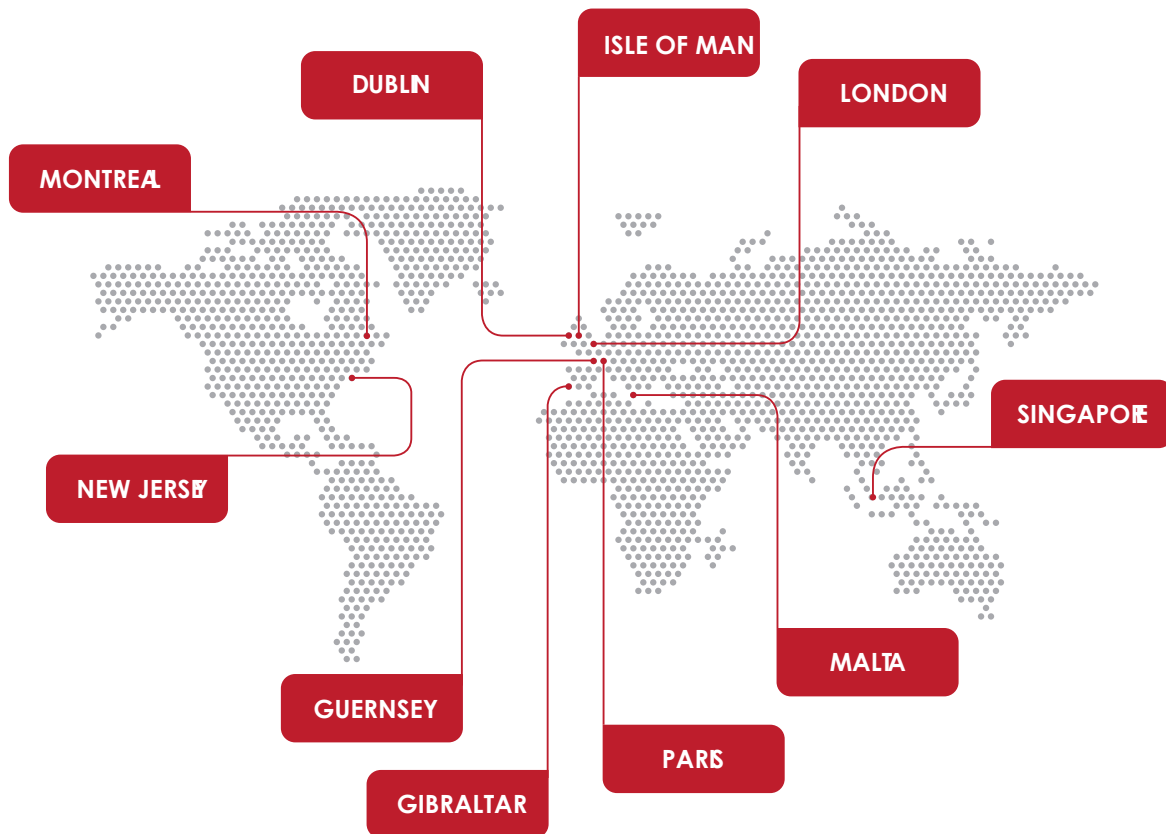
Monitoring, Protection Systems and Support

All electrical & mechanical areas are protected by water leak, fire detection and suppression systems. VESDA early warning detection systems and Nitrogen / Argonite fire suppression is installed as standard in all data halls. 24 x 7 NOC in Montreal and the Isle of Man provide Building Management System monitoring and support with data centre technicians available to provide first level support services

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 10 data centres across 3 continents as follows:

ISLE OF MAN
DUBLIN
LONDON
MONTREAL
NEW JERSEY
SINGAPORE
GUERNSEY
MALTA
GIBRALTAR
PARIS

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