



Data Centre Overview - FRN

Datum Datacentres launched in 2012 to provide a robust co-location service for business critical IT, tailored to meet the requirements of security-conscious enterprises and service providers. Datum is trusted by an impressive and growing client list of over 35 organisations from the private and public sectors, serving vertical markets from Finance and Insurance through IT Security Services, Defence and Engineering, and including companies from the FTSE 250 and Fortune 500.

Carrier and cloud neutral co-location that is environmentally intelligent, highly secure and resilient

Our Farnborough data centre is situated on the high security Cody Technology Park within easy reach of the motorway network, rail and air transport links. Datum FRN1 has capacity for more than 1,000 co-location racks within a high security campus in Farnborough, which is fast developing as a strategic London-edge data centre hub.

The facility incorporates a pressurised free cooling design that delivers enhanced environmental efficiencies and supports high density computing to 30kW per rack as standard. Always on availability is supported by resilience in both design and operations underwritten by a 100% uptime SLA with helpdesk and remote hands services which are available 24x365.

With defence Industry heritage, exceptional building construction quality and a focus on high technology the Park is the ideal location for the facility.



Our standalone office building also provides client areas for meetings and remote working, whilst the Cody Technology Park offers substantial conference facilities for Client use.

Accredited to ISO 9001, 27001, 50001 and PSI DSS.

Farnborough Datacentre Technical specifications

Power

- Up to 30kw per rack power density
- Active/Active power distribution paths
- 2N power supply from substation to rack level
- HV redundant mains power at N+N
- 2N back up power supply
- Combination battery and flywheel UPS system
- IT UPS 2N, Mechanical UPS N
- All components concurrently maintainable

Monitoring

- Advanced Datacentre Infrastructure Management (DCIM) system
- 24/7 systems monitoring & response capability
- Optimisation planning and modelling

Datacentre services

- Remote Hands engineering services
- Scheduled engineering services
- Structured cable Installation
- Custom connectivity installation
- Basic configuration changes
- Power cycling of equipment
- Hardware procurement & deployment
- Tape Rotation and storage
- Consultancy and auditing
- On-facility managed office space for Client infrastructure access

Cooling

- Industry leading Design PUE of 1.25
- Resilience N+1
- No water or maintenance within IT space
- Datacentre Temperature Range 24 +/- 2°C
- Datacentre Humidity Range 40-60% Relative Humidity

Services – Racks, Cages, Suites

- 2 x 22,000 sq ft data floors
- 6MVA power supply upgradeable to 7.5MVA
- Chimney racks in a hot and cold aisle containment configuration
- Option of a dedicated, caged environment
- Suites custom designed from the ground up

Security & fire protection

- Highly secure campus location
- Campus security - 24/7 on site security and access procedures
- Facility security - CCTV, access Control, intruder detection and alarm systems
- Fire security - fire extinguishant with double knock detection and VESDA early warning systems

Connectivity

- Carrier and cloud neutral
- Multiple Tier 1 carriers
- Managed Bandwidth
- Point to Point connectivity to other connectivity hubs