



# FRN 1: Technical specification

**Built to Tier 3+ enterprise grade standards**, our flagship south east facility — FRN1 — boasts 22,000ft<sup>2</sup> of technical space comprising 1,200 racks across four halls. FRN1 offers an average rack density of 3.5kW per rack, and can support up to 30kW per rack.

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# Full technical specification



## Capacity

- Power circuits**
  - Standard full racks; average rack density of 3.5kW per rack, supporting up to 30kW per rack.
- Rack sizes**
  - Quarter, half and full rack enclosures.
- Caged space**
  - Dedicated secure cages for multiple racks; custom-designed suites.
- Rack space capacity**
  - Up to 1,200 racks.

## Fully dual path (2N) power infrastructure

- Mains feeds**
  - N+N HV redundant high capacity connections.
- Generators**
  - 2N standby diesel generator system.
  - Bulk fuel supply sized to provide 72hrs run time.
- Environmentally intelligent 2N IT UPS**
  - Path 1: Battery based UPS.
  - Path 2: Environmentally efficient flywheel UPS.
- SLA**
  - Power availability SLA 100%.

## Cooling

- Data centre and plant room cooling systems**
  - 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.



## Fire protection

### Fire detection and prevention

- Fire extinguishant with double knock detection and VESDA® early warning systems.

## Connectivity

### Overview

- Carrier neutral, multiple carriers' diverse points of entry. Tier 1 carriers and dark fibre available. Various resilient connection options.

### Major providers

- Atmoso, BT, Cogent, Colt, ConnetU, GTT, ITS / NextGenAccess, Lumen, Next Connex, Neos / SSE, Stelia, Virgin Media, Vodafone, Vostron, Zayo.

### Rack cross connects

- Copper or fibre: To client requirements.

### Metro and long reach network

- Direct connections to major London and Manchester data centres.

## Security

### Campus security

- 24/7 on site security and access procedures.

### Facility security

- CCTV, multi-level access control, biometrics, intruder detection, alarm systems, key management.

### Compliance and certifications

- ISO 27001 Information Security Management certified.
- PCI DSS.
- DCA Class 3 Fully Operational Data Centre.
- PASF (Police-Assured Secure Facilities) certified facility.



## Monitoring

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

## Data centre services

- Remote Hands engineering services
- Scheduled engineering services
- Structured cable installation
- Custom connectivity installation
- Install to rack and hardware installs
- Power cycling of equipment
- Hardware procurement & deployment
- Tape Rotation and storage
- Consultancy and auditing
- Secure storage and engineer breakout area

## Book now

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