

Reading

Amito Data Centre

Amito's Reading data centre includes five data halls totalling over 1,000 racks of data centre white space, with an average power density of 1.5 kW per square metre. Tier 3+ specifications delivering 2N on critical power components and N+1 on mechanical, with Tier 4 halls available delivering 2(N+1) throughout.

Location

• Jct 11 M4	< 2 miles
• Reading Station	< 3 miles
• London Heathrow	28 miles
• Central London	42 miles
• By rail from London Paddington	25 minutes

Facility

- 66,180 sq ft including plant area
- 24/7/365 manned NOC
- 4 dedicated data halls
- Tier 3+ specification with Tier 4 halls available
- Standard Racks – 48U

Power

- 6.5 MVA power supply
- 11kV grid connection with dual diverse feeds
- Private on site HV network
- 2N (A & B) HV-LV transformers
- 2N (A & B) switchgear
- 2N (A & B) UPS with 10 minute autonomy
- 2N (A & B) distribution to racks
- N+1 standby diesel generators with 120 hours run time at full load and priority fuel resupply contract

Connectivity

- Carrier neutral site
- In-house IP transit mix available
- Carriers on site/with ducts to site:
 - BT
 - CityFibre
 - Colt
 - KCom
 - Glide
 - Openreach
 - SSE Telecoms
 - Exponential-e
 - Virgin Media
 - Vodafone
- Diverse fibre entry points to site

Security

- 24/7/365 on-site security team
- Secure perimeter fence
- Internal fencing inside perimeter for plant areas
- HD digital CCTV with 90 day retention
- Full access control with audit trail



Air conditioning and cooling

- Hot aisle containment or chimney racks
- Full recirculation air conditioning avoiding air quality issues with external 'fresh' air systems
- N+1 CRAC air conditioning units per data hall
- N+1 External chillers and heat rejection
- N+1 Chilled water ring mains
- N+1 Hydraulic pumps
- All cooling is dual fed with power (A & B)
- High efficiency G4 particulate filtration

Green credentials

- Operating PUE of 1.15
- Exempt from Climate Change Levy
- EC Fans on CRACs and chillers for part-load efficiency
- Client server packaging recycling facilities
- Low GWI refrigerants

Fire/environmental

- Fully addressable zoned detection system
- VESDA smoke detection
- Inert gas IG55 fire suppressant
- All chilled water kept away from data floors
- Leak detection system
- BMS monitoring all critical services

Client services

- Bookable meeting rooms
- Goods-in team
- On-site build room
- Client portal with extensive functionality:
 - Book remote hands
 - Arrange permanent/temporary access
 - Review access logs
 - View bandwidth and power usage