

# Reading

## Amito Data Centre

Amito's Reading data centre includes five data halls totaling over 1,000 racks of data centre white space, with a typical power density of 4kW per rack. 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
  - Exponential-e
  - Glide
  - KCom
  - Lumen
  - Luminet
  - Openreach
  - SSE Telecoms
  - Telia
  - 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 1.12
- 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