

Data Centre Colocation - Düsseldorf

Connecta Park, In der Steele 37a, 40599 Düsseldorf, Germany

Facility Specifications

- Modern data centre facility situated in the southeast of Düsseldorf
- Operational since November 2000
- Technical space arranged over three floors
- Total Size: 6,863 m²
- Fully Fitted Colocation space: 1,205m²
- Available Shell & Core Space: 1,812m²
- Maximum Site Power: 6 MVA
- Carrier Connectivity: Lumen, COLT, T-Com, Versatel, Arcor, Wingas, Telefonica.

Standards

- ISO27001: Certified
- ISO50001: Certified

Power

- 4 MVA supply via dedicated underground 10kV cable feeds to dedicated 2 x 2MVA (6 ultimate) 10kV/400V transformer station

Generators

- 1 (2 ultimate) x 2.5MVA diesel driven emergency power generators
- Generators tested monthly
- Fuel storage (diesel) for 24 hour continuous operation at 100% load
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UPS

- 2x500kVA static UPS with N+1 redundancy
- Fifteen-minute battery autonomy per UPS module
- Dual redundant A&B distribution strategy
- Underfloor power track distribution system

Environment

- 750W/m² average cooling capability over the gross space - Temperature regulated to below 26°C
- Humidity regulated overall to 50%RH +/- 20%
- Technical areas positively pressurised to minimise dust ingress

Physical

- Minimum floor to ceiling height: 3,700mm from top of raised floor
- 650mm raised floor height
- Raised Floor loading 12kN/m²
- Structural Floor Slab:
 - Ground Floor - 25kN/m²
 - First/ Second Floors - 10kN/m²

Fire Strategy

- Use of non-inflammable and low smoke, zero halogen materials where possible
- No storage (especially of flammable materials) within technical space
- Building split into sealed, independent, fire compartments - Very Intelligent Early Warning (V.I.E.W.) detection above and below raised floor
- Smoke extract system activated by fire alarm
- Double Interlocked pre-action dry pipe sprinkler system

Security

- Remote 24 x 7 security monitoring with 2-factor authentication
- Full electronic access control system, based on proximity cards with photo and PIN keypads
- Locks on colocation suites and cabinets. Card readers installed on private suites
- Intruder detection system on escape and riser doors

CCTV

- CCTV monitoring and recording of all access points and circulation areas

Facility Management

- Building Monitoring Systems (BMS)
- Location Operations and Control Centre
- Network monitoring system with critical alarm repeating to Regional Management Centre
- 24/7 local monitoring and logging of temperature and humidity conditions and alarms
- Full perimeter under-floor leak detection linked to building monitoring system

Telecoms Infrastructure

- Facility is designed to accommodate standard rack/cabinets of 2,200mm nominal height
- Power is normally distributed under floor, fibre and copper cabling distributed overhead (fibre within a managed containment system, copper within a heavy duty ladder rack system)
- Fibre entry to the building is via two independent points

General Facilities

- Dedicated loading area - delivery hours 09:00-17:00 Monday to Friday
- Customer test area (90m²)
- Goods lift - 1.15m wide x 2.5m high - maximum load 1350 kg

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