Available Data Centre Space

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

BUILDING OVERVIEW

- Modern data centre facility situated in the South East of Düsseldorf
- Operational since November 2000
- Technical space arranged over 3 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: Level 3, COLT, T-Com, Versatel, Arcor, Wingas, Telefonica

Brief Technical Summary

MAINS POWER

- 4 MVA supply via dedicated underground 10kV cable feeds to dedicated 2 x 2MVA (3 x 2MVA ultimate) 10kV/400V transformer station

GENERATORS

- 1 (2 ultimate) x 2.5MVA diesel driven emergency power generators giving 2.5 MVA (5MVA ultimate)
- Automatic start in less then 1 minute to feed 100% of the facility
- Generators tested monthly
- Fuel storage (Diesel) for 24 hour continuous operation at 100% load
- 24x7 agreement with local fuel supplier

UPS

- 3 x 500kVA Hybrid Rotary UPS modules providing 1000kVA total output with N+1 redundancy
- 15-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 pressurized to minimize 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 security monitoring 24 x 7
- Full electronic access control system, based on proximity cards with photo and PIN keypads
- Biometric Palm-scanners in addition for Colocation areas
- Locks on colocation suites and cabinets
- Intruder detection system on escape and riser doors

CCTV

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

BUILDING MONITORING SYSTEM (BMS)

- Local Operations and Control Centre
- Network monitoring system with critical alarm repeating to Regional Management Centre
- 24x7 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 Mon to Fri
- Customer test room and kitchen (90 m²)
- Goods lift
  - 1.15m wide x 2.5m high
  - maximum load 1,350 kg