

Data Centre Colocation - Frankfurt

Rüsselsheimer Straße 22, 60326 Frankfurt, Germany

Facility Specifications

- Modern data centre facility situated close to Mainzer Landstrasse in the west of Frankfurt
- Operational since June 1999
- Technical space arranged over 1 floor - Total Size: 4,333m²
- Fully Fitted Colocation space: 1,523m²
- Maximum Site Power: 4 MVA
- Carrier Connectivity: Lumen, Colt, T-Com, Verizon, BT Ignite, euNetworks, C&W, Versatel, Interoute.

Standards

- ISO27001: Certified
- ISO50001: Certified

Power

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

Generators

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

UPS

- 5x400kVA static UPS modules 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: 2,980mm from top of raised floor
- 750mm raised floor height
- Raised Floor loading 14kN/m²
- Structural Floor Slab: 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 24/7 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
- 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

Management Center

- 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 and copper cabling is normally distributed under floor, fibre and copper cabling distributed overhead (fibre within a managed containment 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

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- Lumen operates more than 350 data centres in North America, Europe, and Latin America.
- Our Premier Elite, Premier Select and Premier data centres deliver scalable solutions to help customers grow their businesses, become more efficient, and reduce costs
- Direct access to the Lumen network in more than 45 countries
- Customised solutions to meet your specific space and power needs
- Professional Services provide remote support for implementation and network management and monitoring

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