

# Data Centre Colocation - Berlin

Gradestraße 60, 12347 Berlin, Germany

## Facility Specifications

- Modern data centre facility situated in the south of Berlin
- Operational since October 2000
- Technical space arranged over 2 floors
- Total Size (Technical Space): 7,744m<sup>2</sup>
- Fully Fitted Colocation space: 3,217m<sup>2</sup>
- Maximum Site Power: 8 MVA
- Carrier Connectivity: Lumen, Colt, T-Com, Versatel, Wobcom.

## Standards

- ISO27001: Certified
- ISO50001: Certified

## Power

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

## Generators

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

## UPS

- 5x400kVA static UPS modules and 4x550kVA 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/m<sup>2</sup> 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: 3,100mm from top of raised floor
- 850mm raised floor height
- Raised Floor loading 30kN/m<sup>2</sup>
- Structural Floor Slab:
  - Ground Floor - 30kN/m<sup>2</sup>
  - First Floor - 8kN/m<sup>2</sup>

## 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
- Full electronic access control system, based on proximity cards with photo and PIN keypads with 2-factor authentication
- 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
- Goods lift - 1.4m wide x 2.6m high - maximum load 2,500kg

## Why choose Lumen Data Centre Services?

- 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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