

IPHH FACTSHEET

DATACENTER WENDENSTRASSE



Cold-isle containment is a state-of-the-art solution for energy efficiency and cold air distribution.



Resilient IPv6-enabled backbone with connections to hundreds of network operators at seven Internet Exchange Points.

> MAINS POWER

- 1.2 MVA supply via underground 10kV
- Mains feed to 10 kV/400 V transformer station

> GENERATORS

- 1 (2 during maintenances) x 800 kVA (ultimate 1.2 MVA) power generators
- Automatic start in 30 seconds to feed 100% of the facility
- Generator tested monthly under real-life conditions (under load)
- Fuel storage for 24 hours continuous operation at 100% load
- 24 x 7 agreement with local fuel supplier

> UPS/POWER

- 2 x 400 kVA (ultimate 3 x 400 kVA) UPS modules providing 800 kVA output at N+1 redundancy
- 12 minutes battery autonomy per UPS module
- Redundant A&B power distribution
- Single-circuit rack metering for billing and monitoring purposes

> PHYSICAL

- Height 3300 mm from top of raised floor
- 500mm raised floor (only power cables inside raised floor)
- Raised floor loading 12 kN/m
- Structural floor slab: 15 kN/m

> ENVIRONMENT

- 2000 W/m average cooling capability
- N+1 air conditioning system incl. free-cooling capability
- Exceptional air conditioning emergency-procedures
- Temperature regulated to below 22° C (inside cold isles) or 24° C return air-flow (warm area)
- Humidity regulated overall to 50% RH +/- 20%
- Cold-isle containment for optimal air-flow

> FIRE STRATEGY

- Use of non-flammable and low smoke/zero halogen materials
- No storage within technical areas
- F90 sealed fire compartments
- VESDA - Very Early Smoke Detection (VdS approved)
- Smoke detectors on ceiling and in raised floor
- Direct connection to fire department incl. key-safes and premises maps
- Fire protection certificate



Ventilated customer racks (rear) with separate fiber and copper cable trays on top. Central MMR/ODF racks (front).

> MONITORING

- Full network monitoring incl. packet round-trip times, packet loss, routing protocol neighbor relationships, bandwidth usage etc.
- Infrastructure monitoring (e.g. generators status, power meters, air conditioning, CCTV status, intruder detection system status, temperature inside and outside cold-isles, dense raised-floor water detection system etc.)

> TELECOMS INFRASTRUCTURE

- Facility suitable for racks/cabinets of up to 2200mm height
- Power is distributed under raised floor. Fiber and copper cabling distributed overhead in separate cable trays.
- Diverse redundant fiber entry points to the building

> REMOTE-HANDS AVAILABILITY

- Remote-hands available 8 x 5 during business hours (max. 15 minutes response time) or 24 x 7 (depending on SLA, max. 1 hour response time)
- Linux- and Cisco Systems certified staff available 24 x 7

> GENERAL FACILITIES

- Restrooms accessible for datacenter customers
- Equipment delivery/removal Mon to Fri 09:00-18:00 local Hamburg time
- Equipment warehouse for temporary storage



Certified electricity meters per customer and circuit for monitoring and billing purposes.

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