

Data centre Munich

Basic data about the data centre

- **First-Class Data centre**
- **Munich, Germany**
- 20.350 m² fenced ground
- 15.525 m² building floor size
- 9.638 m² available area for servers
- 20 compartments (expandable)
- 5.120 KW high available electric/cooling, expandable to 10 MW, Redundancy: n+1
- Network provider:
 - COLT (redundancy via M-net)
 - Deutsche Telekom (own redundant ring connection)
 - M-net (own redundant ring connection)
- Certifications:
 - ISO 9001
 - BS 7799



Safety - our data centres security infrastructure meets the demands of today and tomorrow

- free-standing building
- not shared between companies
- inconspicuously located in the Euroindustriepark
- constructed completely of concrete and steel
- groundwater table is 14 meters below surface
- building is 1,3 meters above the canalisation
- special roof with 300 leakage detection tiles
- central sanitation and meeting rooms
- thunder protection

- 2,9 meter high fence with perimeter surveillance
- steel barricades at entry point to block vehicles
- road blocker with water gate
- camera surveillance
- vehicle and identification card control system



The implementation of the guidelines is our top priority

- metal detector
- isolation room
- 24x365/366 Security
- access per chip card
- cctv video
- motion sensor, infrared sensor, light sensor

- dual independent fire alarm systems
- early fire detection system (VESDA)
- fire retardant doors and walls (F90)
- argon fire suppression system (300 bottles)
- direct connection to the fire department

- 60 centimeter raised floor
- raised floor capacity: 3 metric tons
- single point capacity: 500kg
- emergency plans, handbooks and professional building maintenance and management
- 24 hours on call service

Power system - we place most value and care on uninterrupted power flow to your equipment

- 5 direct feeds from the city
- separate MSHV (10,000 V level)
- 5 transformers
- separate NSHV (400 V level)
- AC 230 V or DC 400 V

- redundant spare network (NEA)
- Diesel supply of 240.000 Liter for 72 hours full power operation
- redundant no-break current supply, also statically over 1,200 batteries
- grounded according to telecommunications standards

- separate A-/B-/C-Power Rail system for both critical and noncritical equipment
- each co-location space has its own rail system
- separate Power Distribution Unit for A-, B- and C- customer assignment



Air Conditioning - your high power equipment requires only the best in air conditioning

- redundant coldwater chillers with automatic switch
 - air circulation in raised floor
 - master/slave control
 - air temperature: $24 \pm 4^{\circ}\text{C}$
 - Humidity: $45\% \pm 10\%$
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- central humidity outside of server area
 - redundant pipe system
 - central intake and exhaust air pipes
 - two-step air filtering (dirt and dust)
 - complete air exchange in 2 hours

