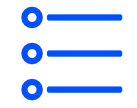


# O<sub>2</sub> Business Data Center Housing: Fact Sheet



## 1. Locations and capacity overview:

- Our premium rack housing service is available in our modern data centres in Hamburg, Hannover, Berlin, Düsseldorf, Essen, Leverkusen, Leipzig, 2x in Frankfurt, Nuremberg, Stuttgart and Munich



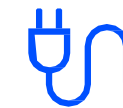
## 2. Rack specifications:

- Standard rack height: 47 U
- Rack dimensions: 600 mm wide (on request 800 mm), 2,200 mm tall and 1,200 mm deep
- Power supply: Redundant connection per rack – 230 V/400 V AC, options of 16 A/32 A
- All racks fitted with smart socket strips
- Power density per rack: Scalable everywhere up to 8 kW, 10 kW on request
- Power consumption billing: Fixed monthly rate based on your chosen power density
- Floor load capacity: ~10 kN/m<sup>2</sup>



## 3. Security:

- Access: Optional two-factor authentication for access control and individual rack locks available
- Video surveillance: 24/7
- On-site security: Security personnel 24/7 and comprehensive security protocols
- EN 50600: All data centres meet or exceed Protection Class 3



## 4. Power supply reliability:

- Redundancy: Full system redundancy as per EN 50600 Availability Class 3, ensuring at least 99.99% uptime (monthly downtime < 5 minutes, annual downtime < 53 minutes)
- Self-sufficiency: All data centres have at least 72-hour operational autonomy, critical infrastructure compliance



## 5. Climate control:

- Full climate redundancy as per EN 50600 Availability Class 3, ensuring at least 99.99% uptime (monthly downtime < 5 minutes, annual downtime < 53 minutes)
- All racks are located in a hot or cold aisle for optimum cooling

# O<sub>2</sub> Business Data Center Housing: Fact Sheet



## 6. Network connectivity:

- All data centres feature carrier and fibre redundancy
- Internal cable routing to the meet-me rooms with no crossover
- Enhanced connectivity: SD-WAN and high-redundancy bandwidth products available up to 10 Gbps
- Direct DECIX access at all locations
- Cloud services: Direct connections to AWS, Azure and Google available on request



## 7. Digital twin technology:\*

- The entire infrastructure of the data hall is mapped virtually via digital twin software\* and with real-time monitoring (e.g. temperature, humidity, differential current)
- Interactive access: Optional cloud-native service for rack sensor data including virtual room visualization (monthly fee)



## 8. Support and monitoring:

- 24/7 surveillance of data centre infrastructure
- Technical assistance: Expert support for installations



## 9. Service level agreements:

- Guaranteed SLAs covering power, network performance and service support (rapid response within 15 minutes for primary service interruptions)



## 10. Additional services:

- Optional additional services available such as remote hands support



## 11. Certifications:

- TÜV IT Level 3
- EN 50600: Availability Class 3 and Protection Class 3 (minimum)
- ISO 27001 as per BSI baseline protection



## 12. Sustainability:

- Power supply: 100% renewable energy sources
- Environmentally friendly cooling systems
- All data centres meet the standards of the German Energy Efficiency Act
- Our data centres have a PUE rating of 1.3