



The safe and sustainable home for your data and IT infrastructure

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In the east of the city of Frankfurt, on the former Neckermann site, Digital Realty is building the state-of-the-art data center campus "Digital Park Fechenheim". With eleven new data centers (FRA17 to FRA27) and an IT space of around 100,000 m², Digital Realty is making a significant contribution to making Frankfurt a more attractive digital hub and data capital.

The high-security data center FRA18 is part of the Eiermann building, which is the world's biggest listed data center and combines 45,000 square meters of data center space under one roof.

Located directly on the main data routes, the data center provides multiple redundant infrastructure to meet all customer demands for reliability and performance. FRA18 offers redundant power supply and air conditioning and supports even the most demanding high-density configurations, making it the ideal basis for your AI projects and innovations. The global platform ServiceFabric™ provides powerful and secure connectivity to multiple cloud service providers.

To ensure maximum energy efficiency, FRA18 has been designed with the focus on energy efficient, modular architecture with maximum efficiency components as standard.

FRA18 – Auf einen Blick

- 8,080 m² total IT-Space (404 m² per suite) (newly built in three phases)
- 20 suites (5 levels, each offering 4 suites)
- 16,200 kW IT-Power (2,0 kW per m²)
- 700+ Carriers/ISPs and DE-CIX
- High-availability SDN connectivity platform
- 24x7 Trained security and technical staff
- Advanced fire detection and suppression systems
- ISO 27001
- ISO 22301
- ISO 9001
- ISO 14001
- ISO 50001
- PCI-DSS

FRA18: Technical Specification

Data Center	<ul style="list-style-type: none"> • 8,080 m² equipped space with 16,200 kW IT-Power (newly built in three phases) • Only 25 min. from the airport and main train station as well as 7 minutes from the highway • Redundant IT and Power infrastructure • Trained technical staff on campus 24x7 for remote hands services and operations
Connectivity	<ul style="list-style-type: none"> • Multiple feeds, Metro Connect Uplinks (Managed Wave and Dark Fiber) to all Digital Realty Data Centers in Frankfurt • Access to more than 700 carriers, NSPs, IX-Provider and ISPs • ServiceFabric™ platform: connectivity to cloud service providers, L-2 port-to-port connections and many other services • Redundant Meet Me Rooms • Structured Cabling and Cross-Connect connections upon customer request
Power	<ul style="list-style-type: none"> • Power feeds via internal 10 kV substation as of 2024 via an internal 10 kV/110 kV substation • N+1 GenSet backup with SLA for fuel delivery • 48 hrs SLA-based fuel capacity • UPS systems configured in a HEXALOAD or TRILOAD topology providing customers feeds with 2N redundant power supply • Up to 99.999% availability • High-density power configurations up to 30 kW per rack • Any current rating available (DC and AC)
Security	<ul style="list-style-type: none"> • Highly qualified and certified security staff on-site (24x7) • Special security-glass protected doors & windows on ground floor, 1st and 2nd floor • Multi-level security concept: contactless keycards, biometric access systems, CCTV, man traps • 24x7 controlled access
Fire protection and air conditioning	<ul style="list-style-type: none"> • Advanced early smoke detection systems in every customer room (VESDA) • Nitrogen gas fire suppression system • Fire protection walls (F90/F120) • Room temperature and air humidity in line with ASHRE standards • Minimum N+1 CRAC redundancy per room • Positive pressure for Customer Room and Technical Room ventilation • Redundant cold water supply network • 24/7 monitoring of all infrastructure (cooling, ventilation, CRAC, fire detectors, generators, UPS etc.)
Services	<ul style="list-style-type: none"> • Colocation: private cage, private room and cabinet space • Remote Hands: 24x7 installation and maintenance • Extendable to 300+ data centers worldwide via a single service contract • Staging area/ Storage space • Self-service customer portal • Multilingual customer service (EMEA Command Center)
Energy Efficiency and Sustainability	<ul style="list-style-type: none"> • 100% power from renewable sources • Modular architecture to optimize Power Usage Effectiveness • Data centers operated to the highest energy efficiency standards

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About Digital Realty Digital Realty brings companies and data together by delivering the full spectrum of data center, colocation and interconnection solutions. PlatformDIGITAL®, the company's global data center platform, provides customers with a secure data meeting place and a proven Pervasive Datacenter Architecture (PDx®) solution methodology for powering innovation and efficiently managing Data Gravity challenges. Digital Realty gives its customers access to the connected data communities that matter to them with a global data center footprint of 300+ facilities in 50+ metros across 28 countries on six continents.

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