

# Data Center Rhine-Neckar I

## The secure home for your data

### High-availability Data Center with attractive benefits

Since 2010, PFALZKOM's DCRN I high-performance Data Center has been the benchmark for data security in the Rhine-Neckar metropolitan region. It provides reliable protection for servers and services for companies of all sizes. Our customers appreciate the excellent availability that ensures full control over the IT infrastructure.

As with its sister Data Center DCRN II, power is supplied directly and reliably by the PFALZWERKE Group's own supply network.

Both Data Centers have multiple redundant connections to the company's own fiber optic network with all major exchange nodes and via a number of carriers. In addition, direct connection to the world's largest Internet exchange node DE-CIX is possible within both Data Centers (DE-CIX Enabled Site).

Each of the two Data Centers meets high-availability class 3+, and together high-availability class 4. In combination with customer locations or additional Data Centers in the company network, further high-availability scenarios can be implemented.

### Your benefits

- The secure home for your data! Separated into two areas, we offer you space for 300 racks on a server area of 700 m<sup>2</sup>.
- Economical use of resources guaranteed! Our PUE (Power Usage Effectiveness) is currently <1.4 and is constantly being optimized.
- We guarantee a minimum availability of 99.98% per year.
- So you don't have to worry! Together, our Data Centers offer high-availability class 4, as well as TÜV/tekit-tested. Access at any time - guaranteed!
- Sustainability at the fore – we have a photovoltaic system on our roof, which we use to feed energy into the grid.



#### Sustainable

100% green electricity and maximum energy efficiency in operation – good for your wallet and for the environment



#### Certified

TÜV-tested, highly available and fail-safe at all times – "Made in Germany" quality confirmed many times over



#### Connected

Easy to reach, close to the European grid – your secure DE-CIX Enabled Site

## Services of the Data Center Rhein-Neckar® I

### Server rooms

- Two server rooms as separate fire compartments
- A total server area of 700 m<sup>2</sup> offers room for 300 racks
- Provision of racks and cages, customizable through optional services

### Availability/efficiency

- High-availability class 3+; TÜV-tested
- Guaranteed minimum availability: 99.98% per year
- PUE value < 1.4

### Location

- Outside the flood zone
- Excellent transport links in the Rhine-Neckar metropolitan region and secure parking directly on the premises
- No dangers from road traffic or airports in the immediate vicinity

### Access security

- Site is protected by a security fence
- Access control system with access card and PIN
- Seamless, integrated into the security system
- Video surveillance of the Data Center, outdoor areas and access road
- Multiple safety zones

### Connectivity

- Integrated into the PFALZKOM fiber optic network with redundant and high-performance connection to several Internet exchange nodes
- DE-CIX Enabled Site
- Good connection to various clouds
- Plenty of carrier connections

### Electricity

- Power is supplied reliably and directly by PFALZWERKE's own power grid
- Highly secure connection to the electricity grid:
  - 20 kV medium-voltage feed-in, fully redundant, directly from the substation, independent of the distribution grid
  - Direct connection to the European interconnected grid
  - Additional direct power plant feed-in
- Redundant electrical supply:
  - Two transformers
  - Two UPS systems (2n principle)
  - Emergency power system: diesel generator with 20,000 liter tank
- 100% green electricity

### Fire protection

- Smoke aspiration system for active early fire detection
- Extinguishing system with Novec™ extinguishing agent
- Quick restoration of extinguishing readiness after any extinguishing process is triggered
- Separate fire compartments in consistent F90 quality
- No permanent oxygen reduction to ensure access to the IT systems at all times

### Air conditioning

- Cold air is blown in via the raised floor and warm air is extracted in the ceiling area
- Cold aisle containment; server intake temperature: 24 °C; +/- 4 °C
- Free cooling on approx. 100 days a year
- Cooling units with highly efficient screw compressors
- Recooling plants with adiabatic cooling (sprinkler cooling towers)

### Optional services

- Installation service
- Acceptance service for deliveries
- Storage services
- Accompanied access
- Support with the implementation of an external audit or certification
- Maintenance service ('Remote Hands')
- Personal point of contact on site

Here when you need us

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