Data center Munich East:
The new benchmark for data centers in Europe
Maximum security, maximum availability and scalability, previously unattained energy efficiency - the Munich East data center sets new standards in all important key figures. With Munich East, noris network demonstrates how green IT can be, how secure data can be stored and processed, how reliable and flexible IT performance can be. 25 years of experience as a data center operator and premium IT partner of leading international brands and industries with the highest demands left a decisive mark in the concept of the new data center.

Energy and space are used highly efficiently in the Munich East data center with the help of state-of-the-art technology. To your advantage: You can accommodate your IT systems at a low cost in Europe’s most advanced data center and enjoy maximum scalability. One example: If you rent rack space in the Munich East data center, you’ll have more room on the upside. All racks installed in the entire area can be fully occupied with 60 rack units running at 25 kVA - you won’t get more performance per square meter anywhere. Pay-as-you-grow in the data center: You fill your 2.8 m high racks as required and only pay the additional costs for energy and data volume.

You want more? noris network is your premium IT partner. With us you get data center space and services from a single source. From colocation to outsourcing, from simple managed services to customer-specific IT solutions implemented with noris network’s own DevOps teams that convert your agile software development into agile IT operations.
The Munich East data center has a total floor space of 11,000 square meters. The first construction phase offers 3,200 square meters of high-density IT space that supports the installation of up to 2,100 racks. The second construction phase offers a further 5,000 square meters of IT space for up to 3,300 racks. This means that the Munich East data center has a pure IT area of 8,200 square meters and space for over 300,000 servers. To set up this high-security data center, we have further refined the technologies used in our award-winning Nuremberg South data center.

In addition to its security standards, the Munich East data center stands out by its patented cooling and power supply concept: Combined Energy & Cooling Cells (CECC) with KyotoCooling®. This achieves availability class VK4 according to EN 50600 and an SLA of 99.999%.

Your benefits in the data center Munich East:

- Two separate data centers (construction phase 1 + construction phase 2) supporting the setup of redundant high-availability systems on a single site
- Maximum availability, energy efficiency
- High-density racks with up to 60 rack units and 25 kVA
- Highest safety: hermetic perimeter protection and multi-level fire protection concept
- ISO 27001 certificate based on BSI’s IT baseline protection strategy
- Certification according to EN 50600 VK4, SK4, EK3
- Best performance: connection to noris network’s high-performance backbone and the most important European peering points
Innovative technology, highest efficiency

The design and equipment of the Munich East data center is a further development of the award-winning Nuremberg South data center. This ensures, for example, an average PUE value of 1.2 on the final construction stage – and the consistent ban of liquid cooling from all surfaces. The CECC technology used in the autonomous power supply and air conditioning cells makes the powering of the data centre modular, scalable and fail-safe – each cell can replace any other and features a redundant design. More than 90% of the year, the KyotoCooling® process allows indirect free air cooling without the use of compressors. In conjunction with the power supply from renewable sources, this means: Green IT in perfection.

- Climate control based on CECCs with KyotoCooling® (up to 10 CECCs)
- 100 % separation of cold and warm areas via hot aisle housing and warm air separation in double ceiling
- Redundant link to energy supplier
- AlwaysOn technology for redundant UPS supply (A- and B-feed)
- Emergency generators with fuel supply for at least 72 hours under full load
The Munich East data center offers maximum availability through full redundancy for air conditioning, energy supply and network connection. Automatic monitoring and preventive maintenance of all components and equipment are a matter of course. Not only the operation, but also the accessibility of your IT boasts maximum reliability. Munich East ensures secure data transfer through noris network’s own high-performance backbone and multi-redundant fiber links to all major carriers.

- Multi-redundant, carrier-neutral Internet connection via own fiber backbone
- 4 Tbps total capacity of the Internet links

- Direct, redundant connection to important peering points in Europe
- Redundant edge- and node-disjoint paths to the data center

**Highest availability and energy efficiency**

No matter whether you rent large space areas, a cage, a rack or individual standard services: The infrastructure of the Munich East data center guarantees 99.991% availability for air conditioning, power supply and network connection.
Access and data security are given top priority at noris network. In the Munich East data center, customers get the maximum security possible with civilian facilities of this kind. The comprehensive security concept begins with the architecture: IT areas have no contact with external walls, and the infrastructure and data center area are separated from each other. The building is exclusively used as a data center, has a fully accessible perimeter and is fully fenced, including breakthrough protection. Vehicles and persons are separated at the entrances.

The data center implements a multi-level protection class concept according to SK4 of the European data center standard EN 50600. Access to the IT space is restricted to authorized personnel only following double authentication via transponder chip and palm vein scan.

The data center site is highly disaster-proof. The site and building construction comply with protection class SK4. The fire protection concept allows uninterrupted operation even in the event of fire detection.

- Structural measures according to fire resistance class F90
- Early fire detection based on VESDA system (Very Early Smoke Detection)
- Nitrogen inertization
Video clips

Videos about our data centers can be found on the website of noris network at: noris.de/videos
Nuremberg-based noris network AG offers enterprise customers and organizations active in the banking, insurance, automotive, industrial, software development and public administration sectors tailor-made ICT solutions in the areas of IT outsourcing, managed services, cloud services and network & security. Technological basis is a powerful IT infrastructure that relies on noris network’s own high-security data centers – including Nuremberg South and Munich East, two of the most advanced and energy-efficient data centers in Europe. In addition to customer-specific solutions and services for legacy and virtualized IT infrastructures, noris network offers PaaS provisioning on its own cloud platforms and, based on Managed Kubernetes, also provides services for the automated scaling of resources (containers). Other standardized premium data center products are made available by the company under the datacenter.de brand.

noris network AG is comprehensively certified with all its business activities and data centers. Detailed information can be found in the “Certifications” brochure. The superior level of facilities and services, which is continuously verified and documented through advanced quality management systems, certificates and external audits, pays off for the customers: Companies can meet their own compliance requirements much more easily, have them checked more cost-effectively and advertise with the high security and energy efficiency (Green IT) of the IT infrastructure operated by noris network.

Founded in 1993, noris network AG is among the German pioneers in the field of modern IT services and today supports renowned companies including adidas AG, Consorsbank, Nuremberg Airport GmbH, Max Bögl Group, Küchen Quelle GmbH, Schmetterling Reisen GmbH & Co. KG, Teambank AG and many more.