

## Frankfurt 4 Data Center



# Home to the cloud: e-marketplace for growth and innovation

The Frankfurt 4 Data Center is located in Hattersheim, south-west of Frankfurt and less than 15 km away from the city center. The campus offers high availability, scalable data center space with high power density, carrier neutrality, cloud network access and on-site support.

The first phase of Frankfurt 4 Data Center opened in June 2019. Customers can choose flexible colocation deployments from single racks to cages and suites or select larger shell & core building space with custom fit outs if needed.



## A solution for every requirement

With a total of almost 24,000 sqm of IT space Frankfurt 4 offers complete solutions for housing your IT and network systems in a secure, high availability environment. We provide you with the best possible physical and technical infrastructure supported by 2n UPS systems, generator backup as well as highly redundant cooling systems. The site is guarded 24/7. Frankfurt 4 holds multiple certifications and is connected to all major carriers and cloud networks as well as to the DE-CIX, the world's largest internet exchange. To validate hybrid cloud services and innovations faster and at lower cost, our Innovation Lab provides the perfect hosted ecosystem within a live data center environment.

## High availability in secure space

Your requirements are the most important aspect of our service offering. We offer space that ranges from commercial property to completely configured, high availability data center areas, along with all the expertise for planning, design, operation, and security.

You choose, we deliver. Whether you select a building shell which you configure yourself, or we construct it according to your specifications, or if you decide on a suite with pre-installed racks, we can satisfy any option. We will also ensure that the space is available to you on schedule and configured with the consistently high standard of quality for which e-shelter is known.

## Overview of e-shelter's main product offerings:

Fully fitted:	e-power-rack e-carrier-rack	Separate space, server and network cabinet including infrastructure
	e-cage™	Separate lockable space from 20 sqm
	e-suite	Separate locked room with a size from 300 sqm
Shell & core:	e-area™	Provision of constructed shell & core space from 1,000 sqm
Land:	e-site	Provision of land with upstream grid connection and planning

# Infrastructure:

## High availability and security

### Data center space

- Almost 24,000 sqm of IT space (once fully built out)
- Flexible colocation deployments: single rack colocation, cages, suites, turnkey build to suit and shell & core solutions



### Power

- Gross power connection of >100 MVA
- An average power density of 2.5 kW/sqm
- 2n UPS redundancy
- n+1 generator backup



### Cooling

- Redundant water and air-cooled system supported by free cooling (n+1)
- CRAH units in n+1 configuration

### Connectivity

- Cross Connects and Pre-Cabling
- DC and Internet Connects
- DE-CIX-enabled site
- Availability of different dark fiber providers and carriers
- Multi cloud access through e-shelter's e-connect platform to all major public cloud providers (e.g. Alibaba, AWS, Google, Microsoft)
- Opportunity for geo-redundant data management by utilizing two or more of e-shelter's data centers in the Frankfurt region

### Security

- 24/7 Security Operations Center (SOC) and Service Control Center (SCC)

### NTT network

- As a subsidiary of NTT Communications, e-shelter is part of a global network of data centers covering 20+ countries and over 400,000 sqm of data center space
- Connectivity options to the global NTT fiber network carrier-routes
- Access and use of Innovation Labs with a worldwide partner network

### Fire protection

- Early warning smoke detection system (VESDA) in return air area
- N<sub>2</sub> gas fire suppression system

### Certifications (planned)

- DIN EN 50600
- DIN EN ISO 50001
- DIN EN ISO 9001
- ISAE 3402
- ISO 27001 (BSI) based on »IT Grundschutz«
- PCI-DSS for service providers
- TIER III referring to TIA 942 (appendix G)

### Services

- Installation services
- Facility management and tenant fit out
- Remote-hands

### e-shelter innovation lab

- **Rich ecosystem:** Drive private and hybrid cloud use cases jointly with partners and customers of all sizes
- **Room for innovation:** Test and validate distributed architectures in a real-world production environment
- **Knowledge community:** Share information via a regular series of webcasts, host and join bootcamps, meetups and hackathons

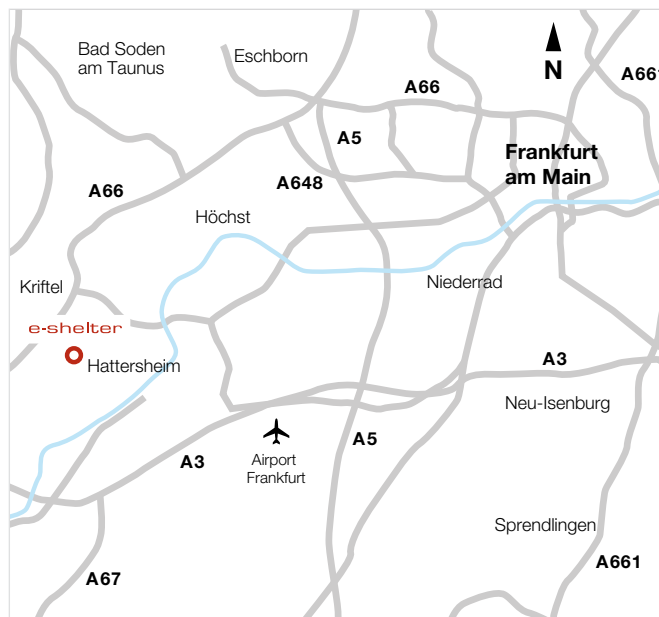
# About e-shelter

e-shelter was founded in 2000 and quickly established itself as a leading provider of data centers in Germany. Over the past years, e-shelter has grown into an international organization, employing more than 400 people with diverse backgrounds and specializations that continually contribute to the company's success.

e-shelter operates twelve data center locations within Germany, Austria, Switzerland and the Netherlands and are currently expanding to Madrid and London.

As a subsidiary of NTT Communications, e-shelter is part of a global network of data centers covering 20+ countries and over 400,000 sqm of data center space. Among e-shelter's clients are financial services companies, telecom operators, public sector, IT service, as well as outsourcing and cloud service providers.

In addition to e-shelter, companies such as Arkadin, Dimension Data, itelligence, NTT Communications, NTT DATA, and NTT Security are part of the NTT Group in Germany. In this region, the NTT Group represents around 6,550 employees and combined revenue of more than € 1.8 billion.



[www.e-shelter.com](http://www.e-shelter.com)

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