**e-shelter**

# Highest security and availability for sensitive data

> Data center services for healthcare sector

# Data security around the clock

Through the constant further development of information technology, particularly through Cloud computing, lots of new opportunities are opening up for companies and organizations – even in healthcare. But new possibilities also bring new rules which need to be understood and to be managed. For example, patient data held using cloud computing is subject to strict data protection regulations. It is no longer enough that the technical infrastructure is suitable for storing sensitive patient data. Rather, the location where the data is saved also plays a central role for data security. For example, if the data is stored in a country outside Germany, then it is subject to the valid data protection rules of that country.

As well as legal data protection, the loss of data through force majeure such as fire or flooding also plays an important role for patient data. The financial damage can quickly reach an amount that exceeds the original investment.
An external data center offers the best conditions for the security of your data through minimizing risks of organizational lacks and technical breakdowns. Regardless if you want to ensure complex IT-systems for hospital operations or if you provide comprehensive accounting systems, security and cost control are your fundamental requirements. However, your data center is supposed to be flexible for possible changes in the future.
e-shelter designs, build and operates data centers which meet these requirements. We offer the maximum security for your IT systems with flexible solutions – on seven different locations in Germany. You will retain full control of your IT.

# Your benefits

## Security

An external data center offers the maximum physical security with protection against unauthorized access and sabotage and resilience: comprehensive systems (UPS systems, diesel generators) ensure an uninterrupted power supply in any case of long-term power breakdowns.

The security of the e-shelter data centers is ensured by the e-shelter own operations and security personnel. Around the clock e-shelter security personnel manage the data centers on-site.

24 hours a day, seven days a week. e-shelter operations personnel monitor all critical infrastructure systems in a central facility management system on-site. Standardized operation processes with amplified technical system redundancy ensure maximum reliability.

Locations for e-shelter data centers are selected on the basis of a comprehensive risk analysis. In this context we also pay attention to the protection against environmental risks.

Physical fire protection, fire detection and fire extinguishing systems are designed for the greatest level of safety. Early smoke detection systems (smoke extraction systems) which are integrated into the fire alarm systems and linked with the local firefighting department guarantee the earliest possible detection even before fire and smoke fumes or fire develop. The fire will be distinguished immediately by argon gas extinguishing system.

## Flexibility

To meet your extending IT system requirements we act immediately and offer a high degree of flexibility: for your required space – from rack to a complete e-suite – you can choose power density (required power) and terms.

The e-shelter data centers are connected by at least ten carriers from several, redundant feeds. They have Carrier-Meet-Me-Rooms from which you can use services of the carrier of your choice. Internet connection from 1 up to 10 Gbit/s can be provided as an additional service.

## Cost effectiveness

The expenses for data centers services are foreseeable and are generally lower than operating a data center of your own.

- The buildings and systems are updated with the best available technology hence more energy-efficient than usual systems
- Running costs are contractually fixed
- Thanks to flexible usage modellings (Pay-As-You-Grow) costs are adapted to your requirements and business development

e-shelter designs, builds and operates **highly resilient data centers** in Europe. With a presence in all key city-markets of the DACH-region, e-shelter leverages **300MW of power capacity** and **90,000 sqm of data center space** to deliver scalable space and efficient services for cloud and outsourcing solutions. In addition, as **a member of the NTT Group of companies e-shelter provides access to a global network of 140 data centers**. Dedicated 24/7 security and operations personnel offers industry-leading **security and compliance expertise**. Among e-shelter's clients are financial services companies, telecoms operators and IT service providers as well as cloud service providers.

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