

Trusted Site Infrastructure Evaluation and Certification of Data Centers



More than 400 certification projects

The criteria catalog TSI.STANDARD, which covers all the requirements of the European data center standard EN 50600, is an approved instrument companies are using to assess the state of the art and the quality of their data center. Tenders for new data centers define TSI.STANDARD as a binding basis for the design, that can then be evaluated neutrally by TÜViT. The focus is on physical security and high availability of data centers. In this respect, the TSI.STANDARD is an essential basis, but can also be an ideal supplement to ISO standards such as ISO 27001, which are more focused on the management of information security.

With certification according to the TSI.STANDARD developed by TÜViT, data center operators and users are on the safe side.

Your benefits

- ✓ Proof of trustworthiness for your customers
- ✓ Evidence for supervisory authorities
- ✓ Security in planning and construction of new data centers
- ✓ Interdisciplinary team of more than 25 experienced auditors and technical experts
- ✓ Know-how and experience from more than 16 years of mission critical infrastructure assessments and certifications
- ✓ Reduction of downtime risks

We create trust

TÜV®



TÜV NORD GROUP

Data centers: secure and high-available with a certification according to TSI.STANDARD

Phases of a certification project

- Workshop (optional)
for a common understanding of the evaluation requirements, orientation within the criteria level, preparation for certification, assessment of the certifiability of the existing data center, specification of the certification level
- Review of documentation
formal evaluation of security concept, construction guidelines, as built drawings, schematic drawings, etc.
- Certification audit
site inspection of the implemented infrastructure measures
- Certification report
preparation of a meaningful and detailed evaluation report
- Certification
assessment of the evaluation report, certification decision, award and publication of the certificate
- Re-certification
a complete follow-up certification after 24 months

The certificate will be awarded in different levels with the following basic requirements

Level 1 - Medium availability

Basic supply of power and cooling for safeguarding the operating conditions of IT server rooms, taking into consideration access security and fire protection

Level 2 - Extended availability

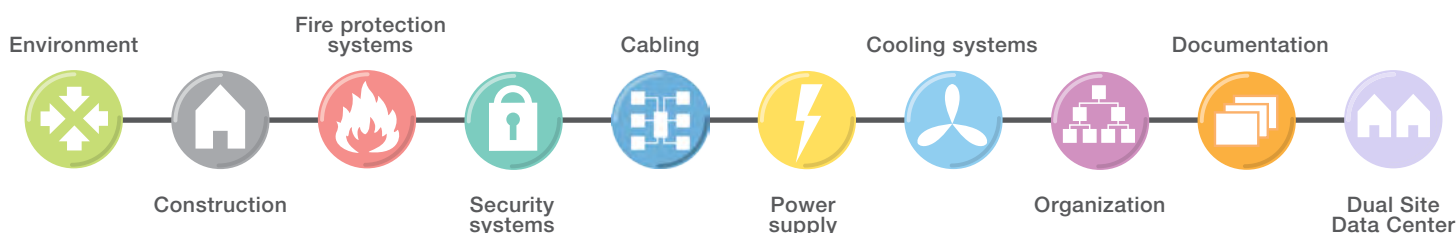
Implementing redundancies, consideration of environmental hazards for IT, access security and fire protection

Level 3 - High availability

No single point of failure in the supply systems, increased burglar resistance, safeguarding of supply routes, fire containment, status monitoring

Level 4 - Highest availability

Dedicated data center building, perimeter security, maintenance tolerances



About us

TÜV Informationstechnik GmbH (TÜViT), a company of TÜV NORD GROUP with business activities in 70 countries worldwide, is one of the leading testing service providers for IT security. The company portfolio covers topics such as cyber security, software and hardware evaluation, Internet of Things/Industry 4.0, data privacy, ISMS, smart energy, automotive security, mobile security, eID and trust services. In addition, TÜViT audits and certifies data centers with regard to their physical security and high availability.

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