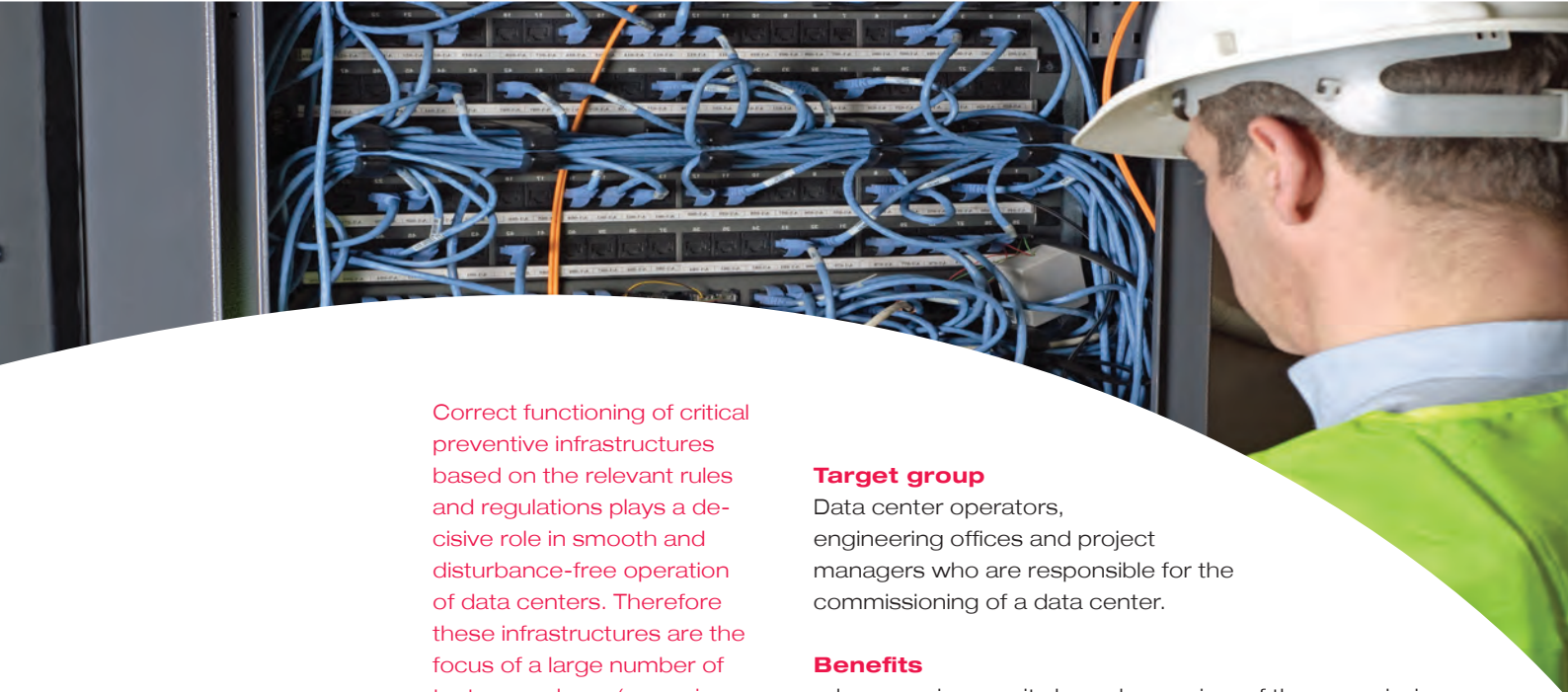


Commissioning of Data Centers



Correct functioning of critical preventive infrastructures based on the relevant rules and regulations plays a decisive role in smooth and disturbance-free operation of data centers. Therefore these infrastructures are the focus of a large number of test procedures (commissioning) which are generally carried out before the data center is put into operation.

Qualified and supported commissioning also makes an important contribution to subsequent certification, if the well-known TSI (Trusted Site Infrastructure) certification standard is also taken into consideration.

Decisive factors for the tests during commissioning are that all the possible scenarios are included, tests are performed comprehensively and results are documented and interpreted correctly.

Target group

Data center operators, engineering offices and project managers who are responsible for the commissioning of a data center.

Benefits

- Increase in security based on review of the commissioning tests for completeness and correct implementation
- Quality control and assurance in order to achieve reliable and usable test results
- Synergies based on previous TSI draft planning review
- Efficient review methods
- Expert technical knowledge of the TÜV

TÜVIT has been performing TSI evaluation and certification since 2002 and therefore has comprehensive and detailed knowledge of mission critical infrastructures. Among other things, this knowledge enables TÜVIT experts to check the completeness of integration tests and to evaluate test results thoroughly and consistently.





Services

The approach taken here is intended to provide you with the confidence that your integration tests are carried out correctly and completely, and also to reveal any weaknesses.

Depending on the size of the data center and the associated technical equipment, integration tests can last for several weeks. If any serious problems occur, they can even take longer.

In order to keep the time and cost needed for quality assurance within reasonable limits, TÜViT is not constantly present on site. The strategy and procedure are as follows:

- The concept of the integration tests is submitted to TÜViT together with descriptions of the individual tests and details of any tests that have already been performed (manufacturer, component and system tests).
- The concept and the test descriptions are reviewed for completeness and clarity based on the component data sheets and the security report and/or the performance specification.
- Any necessary changes or additions are described in a report.
- Following the commissioning tests, the results are evaluated, and in case of deviations it is decided which tests may have to be repeated.
- At the end of the commissioning process, spot checks are carried out together with the TÜViT experts (function and acceptance test).

The services described here can be extended optionally to cover the complete commissioning process (manufacturer, component and system tests).

TÜViT is your competent partner over the entire data center life cycle

Training on basic aspects

Assessment of existing data centers

Workshop

Evaluation of draft design

Quality assurance of the integration tests

Certification according TSI criteria catalogue

Regular re-certification

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