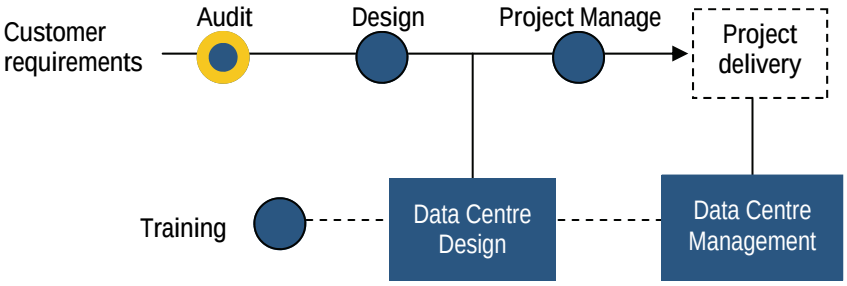
CAPITOLINE

DATA CENTRES AND IT INFRASTRUCTURE



Data Centre Audit — TIA 942

An in-depth audit of computer rooms and data centres for compliance with the ANS-TIA-942 standard

- Compliance by on-site audit
- Compliance by approval of designs

Using the practical experience derived by Capitoline from auditing and designing computer rooms and data centres around the world we can offer an in-depth audit that covers all the major requirements for correct operation, best practice and improvement programmes.

Every two weeks, somewhere in the world, a data centre suffers a major breakdown and loss of availability with an average downtime of 17 hours. In nearly every case these breakdowns are avoidable with better design and procedures in place. Our audit experience covers large and small data centres both in the private and public sector in Europe, Africa and the Middle East.

By our status as chartered (professional) engineers from the Institute of Engineering Technology (IET) and the Chartered Institute of Building Services Engineers (CIBSE) we are able to approve and certify installations and designs to the ANSI-TIA-942 standard Telecommunications Infrastructure Standard for Data Centers.

OPEN DATA CENTER ALLIANCE MEMBER

CODE OF CONDUCT DATA CENTRES Endorser

CAPITOLINE

DATA CENTRES AND IT INFRASTRUCTURE

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This audit includes the following in a comprehensive written report and *site certification* that compares the observed installation or designs to the four Tiers of the TIA 942 standard;

- Suitability of location and access
- Architectural issues including room and space allocation and room sizing
- Rack/equipment layout
- A power train analysis with power readings and calculations
- Air conditioning and ventilation report
- Data cabling and containment report
- Fire detection and suppression report
- Building Management System report
- Physical site security
- Business continuity issues
- Data centre equivalence to 'Tier ratings' and 'N' resilience models
- Short, medium and long term improvement plans
- On-site audits will also include temperature and humidity readings and comparisons to the ASHRAE recommendations

The data centre audit programme from Capitoline includes

- TIA 942 compliance and certification
- UpTime Institute Tier compliance and certification*
- Business Continuity audit to AMS-IX, ISO 27001 and PCI-DSS standards
- Health and safety at work compliance
- Energy audit to EU Code of Conduct requirements
- Any combination to suit your requirements

*As TUI Accredited tier designers we can certify designs. On-site audits will be certified by Capitoline

? Is this the right audit for you?
Ask for our customer list and example reports

We are qualified as

Chartered Electrical engineers

Chartered Building Services Engineers

BICSI RCDD

CIBSE Low Carbon Consultants

AMS-IX official auditor

TUI Tier Designers (UpTime Institute)

DESIGN : AUDIT : TRAINING

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